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Haney's Art of Training Animals.

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P R E F A C E.

THE intention of the present volume is to initiate the reader into all the mysteries and secrets of the "Art of Training Animals," and to give full and clear explanations of, and instructions in, every branch of that art. It is believed that the reader will find it acceptable whether he desires using its instructions practically either for profit or as an agreeable recreation, or as merely a curiosity to know how the feats herein described are taught.

This is believed to be the first and only attempt made to treat this subject fully and systematically. Fragmentary articles have occasionally appeared, and some works, treating of one or another of the various animals, have given a few brief though interesting paragraphs touching their educability or sagacity. Even combined these form but a comparatively meager collection, and the volume herewith presented has the essential part of all this as well as a very large amount of matter which is entirely new. The aim has been to make the book as complete as possible, and to do this the author has profited by the experience and writings of others wherever they could be made available. He has, however, striven in all such cases to give full credit. As far as it was possible to communicate with the parties in question, their consent was explicitly obtained, and in no case to the best of his knowledge (certainly not intentionally) has any material been used contrary to the wishes of its owner, or without due acknowledgment, and he would respectfully ask any who may desire to make use of any part of his own labors to a reasonable extent, the same courtesy of full credit to Haney's Art of Training Animals.

To many gentlemen in the profession we are indebted for

PREFACE.

details of their experience, and material of various kinds. Much of information relating to birds is derived from the works of the celebrated German fancier Bechstein; while to Mons. Emil de Tarade is due a portion of that about the French dogs. To Mr. Robert Jennings, whose works on the horse, as well as on cattle, are deservedly popular, we are also indebted; also to Mr. Smith of the New York Courier.

While attempting to give plain practical instruction in the art we profess to teach, we have also designed to make a readable book, and it is hoped that its perusal may prove pleasant as well as profitable. That money can be made by training animals, is unquestionably true—even a boy can make his pets more valuable by teaching them a few simple tricks.

In conclusion we may add that to amateurs interested in the subject, a visit to either of the really fine collections of trained and wild animals of Van Amburgh or "Yankee" Robinson, will prove most thoroughly enjoyable. To the proprietors of both of these establishments we are indebted for valuable assistance.

ART OF TRAINING ANIMALS.

CHAPTER I.

INTRODUCTORY—GENERAL PRINCIPLES OF TRAINING.

DR. KEMP thus concisely and clearly states the difference between instinct and reason: “In the former there is an irresistible impulse to go through a certain series of motions after a certain fashion, without knowing why they are performed, or what their result will be. In the latter the actions depend upon previous mental judgments, are performed or not at will, and the end of them is early anticipated and defined.”

We believe the evidence is too strong to be doubted that many animals *do* perceive the relation between cause and effect, and that many of their actions, especially when the animals are surrounded by the unnatural circumstances of a state of domestication, must be ascribed to the reasoning power. There was a dog who lived in a strict monastery where the monks dined alone, and who, instead of asking for their meals, obtained them by knocking at the buttery door, the cook answering by opening the door and pushing the allowance through. The dog observed this proceeding and accordingly knocked at the door and laid in wait until the meal was placed outside, and the door shut, when he ran off with it. This he repeated a number of times.

The contrast between instinct and reason is displayed in the coursing of hares. If an old and a young grayhound be employed we have examples of both instinct and reason. The young one instinctively pursues his game, following every turn and winding, while the old dog, reasoning from past experience, knows that the hare will double, and accordingly does not exactly follow her, but goes across. A similar example is afforded by the dogs employed in hunting the deer in South America. The newly imported dog, in approaching the deer, flies at it in front and is often injured by the concussion. The

native dogs have learned to avoid this danger and they invariably keep from the front, and attack from the side or rear.

Instances might be multiplied indefinitely, but our object is only to show the distinction made between reason and instinct ; those who desire to investigate the subject more thoroughly can do so through works specially devoted to natural history. No doubt any observing person can recall instances in his own experience with animals, where their actions showed evidence of a greater or less degree of reasoning power.

An action may be partly instinctive and partly the result of reasoning, but a purely instinctive action never changes except under the influence of reason. A hen sits on her eggs from an instinctive impulse to do so. If chalk ones be substituted for the real eggs she tends them with equal care and will not desert them any sooner than she would the others. And yet in other matters perhaps hens have reasoning powers.

Without the possession of these powers we believe no education of animals would be possible ; and we farther believe that the capacity for learning is in exact proportion to the ability to reason. A horse or dog can be readily taught things which a hog can never learn, and in the lower scales of animal life all attempts at education become failures. Under the tuition of man the reasoning powers are undoubtedly developed to an extent to which they would never attain in a state of nature, and by judicious and persistent teaching numerous animals have been educated to an almost startling degree. How this has been done we shall show as we proceed.

Not only does the amount of reason vary with different species but with different individuals of the same species, and much of the trainer's success will depend on the judicious selection of his pupil. Professional trainers take the utmost pains in this selection, and they usually consider that the descendants of an educated animal have, by inheritance, a greater aptitude for learning than others.

The young trainer must not fall into the mistaken notion that mere quickness in picking up a trick is the best quality in an animal. There may be such a thing as learning a lesson *too* rapidly, and what is learned with but slight effort is sometimes forgotten with equal readiness. Another thing, too much should not be expected of one pupil. Public exhibitors are able to show a large array of tricks because of the number of animals they have, each, as a rule, knowing a comparatively few of these tricks, or, in the case of some of the "sensation" tricks, perhaps only one. Still any animal of ordinary capacity ought, with proper tuition, to be able to learn a sufficient variety to satisfy

a reasonable trainer. Judicious management on the part of the exhibitor will often make a variety of tricks out of a single one which the animal has been taught; an example of this is afforded by the "educated hog."

The first essential for success in training animals is patience. At first many lessons may be given without the slightest apparent impression being made upon the mind of the pupil and an uncommon degree of patience and good temper is required to bear up against such discouraging results. By-and-by, however, the pupil will suddenly appear to realize what is required of him, and will perform his task with surprising accuracy at the very moment his teacher is about to give up in despair. Then each successive lesson is learned with greater ease and rapidity than the preceding one; the weariness and disappointment of the trainer is changed to pleasure at his success, and even the animal appears to sympathize with his master's joy, and to take pride in his performance.

As it is impossible to *explain* to an animal what is required of him he can be taught an action only by its constant repetition until he becomes familiar with it. When he knows what you want him to do he will in almost all cases comply with your wishes promptly and cheerfully. For this reason punishments seldom do any good, unless the animal is willful, which is rare. On the contrary they, as a general rule, interfere with the success of the lessons. If the pupil is in constant fear of blows his attention will be diverted from the lesson, he will dread making any attempt to obey for fear of failure, and he will have a sneaking look which will detract materially from the appearance of his performance. This is the case with the animals instructed by a trainer of this city who "trains his horses with a club," the animals never appearing as well as those taught by more gentle means. But for a rare natural talent this man's success would have been utterly defeated by his brutality. He is the only one we know of in the profession who does not base his tuition on kindness to the pupil. A sharp word or a slight tap with a small switch will as effectually show your displeasure as the most severe blows. It is both cruel and unwise to inflict needless pain.

All trainers make use of various little tit-bits as rewards for successful performance of tricks. These serve as a powerful incentive to the animal as well as to show him when he has done right. Withholding the accustomed reward when he fails or but imperfectly performs his duty is much more effective than any corporeal punishment. The repetition of the lesson until the animal will himself perform the required action, and the bestowal

of these rewards whenever he obeys your order, is really the main secret of training. Of course there are many important details in the practical application, and many clever devices resorted to by trainers to increase the effectiveness of tricks, as well as skillful combinations of simple tricks to produce elaborate and astonishing feats. These we shall fully explain in their proper places.

To certain scents has sometimes been ascribed a mysterious influence upon animals, rendering them docile and subservient to the human will. To the use of these many persons imagine trainers owe their success. Though some scents are relished by certain animals, we doubt whether, as a rule, they have so great a fondness for them as has been asserted. Certainly there is no general use of them in the profession, though they may have been sold to the credulous by ignorant or unprincipled persons, for this purpose. Cats are fond of catnip, and we know of instances where kittens, displaying a violent resistance to being carried in a basket, have been quieted by being given some leaves of this herb. Animals no doubt receive pleasure from the gratification of their sense of smell, but there is about as much reason in conquering an unruly school-boy by giving him a sniff of cologne water, as in taming a colt by causing him to smell that or any other perfume.

To the oil of rhodium is most frequently ascribed the greatest and most general influence over the animal kingdom, almost all animals, according to this theory being powerfully affected by it. This is the "horse taming secret" sometimes sold for considerable sums. There is no good reason to believe it has any important influence over either the disposition or actions of any animal.

The horse taming powders, composed of "a horse's corn grated, some hairs from a black cat's tail," and like absurd ingredients, are too nonsensical to deserve serious notice, though once a staple part of the veterinary art, and still, possibly, believed in by a few persons.

To a certain extent many animals are able to understand the meaning of words. That is, if any particular word of command be used in instructing an animal to do a particular act he will learn to associate that word with the action, and be able to distinguish between a variety of words and apply each to the act associated with it, without confusing them. In training animals it is important that each word of command should be used only in its proper place. The common habit ignorant drivers have of using the words "back," "whoa," and others indiscriminately is absurd, and it is not wonderful that their horses sometimes

fail to understand them. A story is told of a farmer who had recently purchased a new yoke of oxen, and was driving them in a cart. Slipping from his seat he fell before one of the wheels and very naturally got run over. "Back! back!" he cried to the oxen, meaning for them to stop, but, like many another man, using words which meant something else. The oxen happened to be better linguists, or else had been accustomed to obey literally, and in this case did so by backing as ordered, running over the man for the second time.



CHAPTER II.

HORSE TAMING AND HORSE TRAINING—HORSE MANAGEMENT—WHIP TRAINING—CURING BAD HABITS, ETC.

SOME few persons imagine that to possess a proper mastery over their horses, they must maintain their authority by brute force. This is a great mistake. More work, within the limit of safety, can be got out of a horse by kindness than by cruelty, and as far as managing a horse is concerned the chief point is to teach him confidence in you. If he believes you to be his friend he will not only strive to please you, but will have less fear of strange objects which otherwise might startle him and render him refractory.

The Rareys—there are two or three of them—taught the world a most important lesson when they taught it the "power of kindness" and "self-control" in the management of horses, donkeys, zebras, and other animals. How often do we see inconsiderate parents fly into a passion and, without reason or religion, thrash the object of their displeasure. So of brutal, heartless drivers, when the "blinded" horses chance to misstep, get off the track, stumble, or in the wrong place. By their actions it would appear that they expected a horse or an ass to reason quite as well as themselves. Employers may not look for the same talent in their apprentices as in their foreman. Teachers may expect every little urchin to be self-regulating and to mind his books; but this it is his duty to *teach* him to do, and he should be all patience, all kindness, affection; perseverance, if he would produce the *best* results. The same spirit is required to subdue and manage a horse. If you say you are not equal to the task; if you say your child, your horse, or

your ox knows *more* than you, is your master, then you are not the one to manage him, and you should resign in favor of one who is superior to child, horse, or ox. A weak man in intellect may indeed be outwitted by a sagacious child or horse.

There is no disguising the fact that viciousness is innate with some horses. But far more so with some, nay, most, men, from whom they get it. It is no doubt sometimes hereditary, and follows some of the best strains of blood we have. That viciousness should accompany a highly nervous organization is not to be wondered at. Hence it causes no surprise when we find such dispositions among the finely organized thoroughbreds—animals of a most sensitive and nervous organization—from which the common expression “thin skinned,” as applied to a too sensitive man, is obviously derived. The treatment horses receive, and the *moral* atmosphere in which they are thrown, have a much greater influence than most horsemen are generally inclined to admit. The pinching, tickling, rough, boisterous stable boy who annoys a spirited horse for the sake of enjoying his futile, though almost frantic kicks and leers, is affecting the disposition of the horse and his descendants for generations to come, besides putting in jeopardy the lives and limbs of those who are brought in contact with the horse so tampered with. A horse is surely influenced by the character of the men with whom he associates.

Sometimes, however, it is necessary to conquer a bad tempered horse, and if possible to secure a radical conversion or change of character which shall be lasting. No timorous man need undertake this task; he will only make matters worse. A horse tamer should be calm, cool, brave, and fearless—the horse will know it; he should be quiet, for then the horse will be put off his guard; he should be firm and give the brute no advantage, but crowd him up to doing something, and that, invariably, what the tamer wants him to do. Thus any ordinary horse will soon give up and own man his master. The kindest treatment and even petting must always follow yielding; and if possible to help it, the horse should never be frightened by any treatment, and above all things he should never be angered by petty torture. His own contrariness should appear to him to be the cause of all his trouble, and man his best friend. This principle is at the foundation of Rarey's successful practice.

POWELL'S MANAGEMENT OF WILD HORSES.

Place your horse in a small yard, or in a stable or room. If in a stable or room, it ought to be large, in order to give him some exercise with the halter before you lead him out. If the

horse belongs to that class which appears only to fear man, you must introduce yourself gently into the stable, room, or yard, where the horse is. He will naturally run from you, and frequently turn his head from you; for you must walk about extremely slow and softly, so that he can see you whenever he turns his head toward you, which he never fails to do in a short time, say in a quarter or half an hour. I never knew one to be much longer without turning toward me.

At the very moment he turns his head, hold out your hand toward him, and stand perfectly still, keeping your eyes upon the horse, watching his motions, if he makes any. If the horse does not stir for ten or fifteen minutes, advance as slowly as possible, and without making the least noise, always holding out your left hand, without any other ingredient in it than what nature put in it. I have made use of certain ingredients before people, such as the sweat under my arm, etc., to disguise the real secret and many believed that the docility to which the horse arrived in so short a time was owing to these ingredients; but you see from this explanation that they were of no use whatever. The implicit faith placed in these ingredients, though innocent of themselves, becomes "faith without works." And thus men always remained in doubt concerning the secret. If the horse makes the least motion when you advance toward him, stop, and remain perfectly still until he is quiet. Remain a few moments in this condition, and then advance again in the same slow and almost imperceptible manner. Take notice, if the horse stirs, stop, without changing your position. It is very uncommon for the horse to stir more than once after you begin to advance, yet there are exceptions. He generally keeps his eyes steadfast on you, until you get near enough to touch him on the forehead. When you are thus near to him, raise your hand slowly and by degrees, and let it come in contact with that part just above the nostrils as lightly as possible. If the horse flinches (as many will,) repeat with great rapidity these light strokes upon the forehead, going a little farther up toward his ears by degrees, and descending with the same rapidity until he will let you handle his forehead all over. Now let the strokes be repeated with more force all over his forehead, descending by lighter strokes to each side of his head, until you can handle that part with equal facility. Then touch in the same light manner, making your hands and fingers play around the lower part of the horse's ears, coming down now and then to his forehead, which may be looked upon as the helm that governs all the rest.

Having succeeded in handling his ears, advance toward the

neck with the same precaution, and in the same manner ; observing always to augment the force of the strokes whenever the horse will permit it. Perform the same on both sides of the neck, until he lets you take it in your arms without flinching.

Proceed in the same progressive manner to the sides, and then to the back of the horse. Every time the horse shows any nervousness, return immediately to the forehead, as the true standard, patting him with your hands, and thence rapidly to where you had already arrived, always gaining ground a considerable distance farther on every time this happens. The head, ears, neck, and body being thus gentled, proceed from the back to the root of the tail.

This must be managed with dexterity, as a horse is never to be depended on that is skittish about the tail. Let your hand fall lightly and rapidly on that part next to the body a minute or two, and then you will begin to give it a slight pull upward every quarter of a minute. At the same time you continue this handling of him, augment the force of the strokes as well as the raising of the tail, until you can raise it and handle it with the greatest ease, which commonly happens in a quarter of an hour in most horses, in others almost immediately, and in some much longer. It now remains to handle all his legs ; from the tail come back again to the head, handle it well, as likewise the ears, breast, neck, etc., speaking now and then to the horse. Begin by degrees to descend to the legs, always ascending and descending, gaining ground every time you descend, until you get to his feet.

Talk to the horse while thus taming him ; let him hear the sound of your voice, which at the beginning of the operation is not quite so necessary, but which I have always done in making him lift up his feet. "Hold up your foot," you will say ; at the same time lifting his foot with your hand. He soon becomes familiar with the sounds, and will hold up his foot at command. Then proceed to the hind feet and go on in the same manner ; and in a short time the horse will let you lift them, and even take them up in your arms.

All this operation is no magnetism, or galvanism ; it is merely taking away the fear a horse generally has of a man, and familiarizing the animal with his master. As the horse doubtless experiences a certain pleasure from this handling, he will soon become gentle under it, and show a very marked attachment to his keeper.

MANAGING HORSES BY KINDNESS.

A lady visiting Egypt some years ago, gave in one of her

letters to her friends at home, an instance of the power of gentleness in controlling even the most spirited of horses. She gives the following description of her experience with the Arabian horses : "I fear you may deem me rather boastful of my horsemanship when I tell you that the two Arab horses which threw their cavaliers did not throw me. The cause of the exception was not in me or my skill ; it was the very remarkable predilection these intelligent animals feel toward individuals of the weaker sex. Let the wildest and fiercest Arabian be mounted by a woman, and you will see him suddenly grow mild and gentle as a lamb. I have had plenty of opportunities to make the experiment, and in my own stables there is a beautiful gray Arabian which nobody but myself dares to ride. He knows me, anticipates my wishes, and judiciously calculates the degree of fatigue I can bear without inconvenience. It is curious to see how he can manage to quicken his pace without shaking me, and the different sorts of steps he has invented to realize those contradictory purposes. Horses being as liable to forgetfulness as other organized beings, my incomparable gray would allow his natural ambition to overcome his gallantry, and if another horse threatened to pass him, would start off with the speed of the whirlwind. Woe to me if, under these circumstances, I were to trust to the strength of my arm or the power of the bridle! I knew my gallant charger better. Leaving my hand quite loose, and abandoning all thoughts of compulsion, I would take to persuasion ; pat him on the neck ; call him by his name ; beg him to be quiet and deserve the piece of sugar waiting for him at home. Never did these gentle means fail. Instantly he would slacken his pace, prick up his ears as if fully comprehending his error, and come back to a soft amble, gently neighing as if to crave pardon for his momentary offense."

This power of women over the Arabian horses is partly due, no doubt, to the fact that when still a colt he is reared in the back part of the tent, the movable harem of the Arab. He is constantly petted, and it is the women who see that he is supplied with food, and tenderly cared for. It is the attachment which is by these means awakened in the horse that leads him to so cheerfully yield obedience to the female voice. Deservedly high as may stand the Arabian horse for docility and sagacity, it should not be forgotten that, in the absence of all other amusements, the education of the foal becomes a pleasure as well as a business ; it thus becomes attached to its biped companions, and takes a pride in enacting all that is required of him. If his rider falls, the horse will stand by and neigh for assistance ; if he lies down to sleep, the horse will watch over him

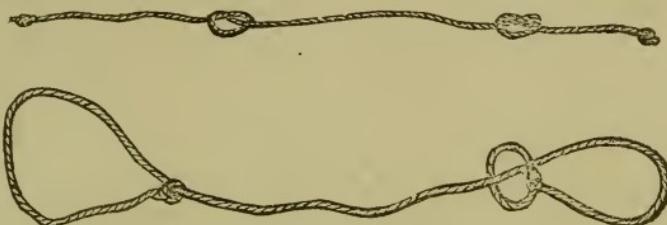
and give notice of the approach of man or beast. Similar anecdotes are related of all horses kindly treated, no matter where may be their home. We heard of one who had a drunken master, and this horse surpassed the Arab example even in intelligence, for he would modify his gait so as to keep his reeling rider from falling off; and if this catastrophe did happen, the horse would stand for hours, regardless of food or drink, and with anger and determination attack man or beast that would approach too near.

TO CURE A STUBBORN DISPOSITION.

If your horse, instead of being wild, seems to be of a stubborn or *mulish* disposition; if he lays back his ears as you approach him, or turns his heels to kick you, he has not the regard or fear of man that he should have to enable you to handle him quickly and easily; and it might be well to give him a few sharp cuts with the whip, about the legs, pretty close to the body. It will crack keenly as it plies around his legs, and the crack of the whip will affect him as much as the stroke; besides one sharp cut about his legs will affect him more than two or three over his back, the skin on the inner part of his legs or about his flank being thinner, more tender, than on his back. But do not whip him much—just enough to frighten him; *it is not because we want to hurt the horse that we whip him*—we only do it to frighten vice and stubbornness out of him. But whatever you do, do quickly, sharply, and with a good deal of fire, but always without anger. If you are going to frighten him at all, you must do it at once. Never go into a pitched battle with your horse, and whip him until he is mad and will fight you; it would be better not to touch him at all, for you will establish, instead of fear and respect, feelings of resentment, hatred, and ill-will. It will do him no good, but harm, to strike him, unless you can frighten him; but if you can succeed in frightening him, you can whip him without making him mad; *for fear and anger never exist together in the horse*, and as soon as one is visible, you will find that the other has disappeared. As soon as you have frightened him, so that he will stand up straight and pay some attention to you, approach him again, and caress him a good deal more than you whipped him; thus you will excite the two controlling passions of his nature, love and fear; he will love and fear you too; and, as soon as he learns what you require, will obey quickly. The stubbornness once broken down, there is seldom any farther trouble of that score, if the horse be afterward managed with judgment and kindness. He will appreciate your kindness and become desirous of pleasing you.

THE CORD AND LINE WEBBING.

One of the main appliances used by horse tamers is a three or four ply cord or rope, one of cotton being the best, such as is used by the Indians for subduing their horses. This cord is a powerful instrument for either good or evil, as it is properly or improperly used. It may be prepared by any one in the manner shown in the engraving :



LOOPING THE CORD.

A knot is to be tied in each end, then make a loop by doubling the cord and passing the knot through as represented above. Be careful to make the loops at such a distance from the knot as will allow the cord to pass around the neck at one end, and the lower jaw at the other, passing the knot through the loop from the opposite side of the loop to where it passed through in making the lap. The necessity for this will be seen on applying the cord. The object is to obtain steady pressure upon the lower jaw, as well as friction in the mouth.

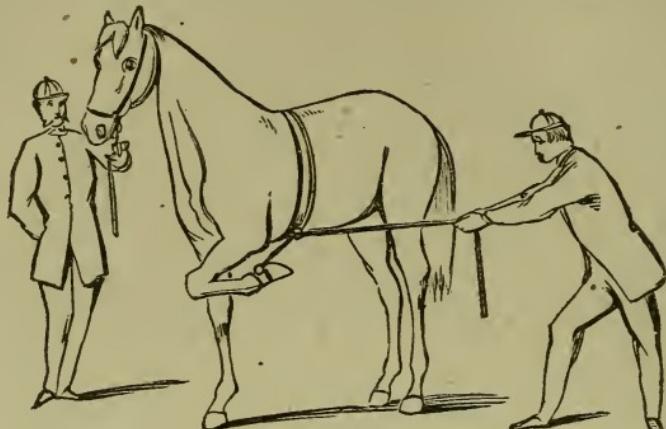
In addition to the cord a piece of worsted webbing, such as is used for driving lines should be prepared in the following manner : Divide it into two parts, one piece being of sufficient length to girt the body. Make a loop in one end large enough for the other end to pass through, so as, when adjusted it is sufficiently long to tie. These pieces of webbing will be useful in carrying out future directions.

TO TEACH A HORSE TO STOP.

The word "whoa" should be used only to stop a horse when he is in motion. Never use it when you approach a horse standing quietly. Horses soon learn to distinguish any word often addressed to them, and they should learn to associate it with some definite and exact duty which you wish them to perform. If any word of command is used indiscriminately, or out of its proper place, the animal becomes confused and loses the association between the word and the object desired.

To teach a horse the meaning of the word "whoa," the arrangement shown in the accompanying illustration may be used. Put the large web, previously described, around his

near fore foot, pass it under the girth ; and as the animal walks along, pull up the foot, saying at the same instant, "Whoa."

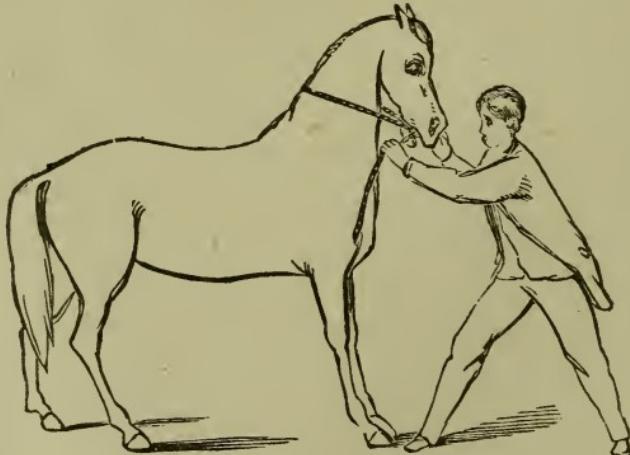


"WHOA."

He will be brought to a stop, and by repeating the lesson he will soon raise the foot and stop even though the web is not pulled upon.

TO TEACH A HORSE TO BACK.

Put the cord upon the horse, using the small loop ; draw it with a steady pull ; this brings the horse's nose toward his body. Keep a firm hold upon the cord until he steps back a little, using at the same time the word "back." Then caress him ; by doing so you show him that he has done exactly as



TEACHING THE HORSE TO BACK.

you wished him to. and the caresses should be repeated every

time he obeys. The utmost gentleness must be observed in order not to excite him, and the lesson should not be long enough to tire him. Five to ten minutes being the best length, repeated at intervals of a few hours. As soon as he understands what you desire he will probably back promptly at command.

TO MAKE A HORSE FOLLOW YOU.

The directions make simple what have hitherto been among the mysteries of the circus. Turn the horse into a large stable or shed, where there is no chance to get out, with a halter or bridle on. Go to him and gentle him a little, take hold of his halter, and turn him toward you, at the same time touching him lightly over the hips with a long whip. Lead him the length of the stable, rubbing him on the neck, saying in a steady tone of voice, "Come along, boy!" or use his name instead of "boy," if you choose. Every time you turn, touch him slightly with the whip, to make him step up close to you, and then caress him with your hand. He will soon learn to hurry up to escape the whip and be caressed, and you can make him follow you around without taking hold of the halter. If he should stop and turn from you, give him a few sharp cuts about the hind legs, and he will soon turn his head toward you, when you must always caress him. A few lessons of this kind will make him run after you, when he sees the motion of the whip—in twenty or thirty minutes he will follow you about the stable. After you have given him two or three lessons in the stable, take him out into a small field and train him; and thence you can take him into the road and make him follow you anywhere, and run after you.

TO STAND WITHOUT HOLDING.

To make a horse stand without holding, after you have him well broken to follow you, place him in the center of the stable—begin at his head to caress him, gradually working backward. If he move give him a cut with the whip, and put him back to the same spot from which he started. If he stands, caress him as before, and continue gentling him in this way until you can get round him without making him move. Keep walking around him, increasing your pace, and only touch him occasionally. Enlarge your circle as you walk around, and if he then moves, give him another cut with the whip, and put him back to his place. If he stands, go to him frequently and caress him, and then walk around him again. Do not keep him in one position too long at a time, but make him come to you occasionally, and follow you around the stable. Then make him stand in another

place, and proceed as before. You should not train your horse more than half an hour at a time.

WHIP TRAINING.

So accustomed are we to the use of bit and reins for driving that we have got to consider them absolutely requisite for guiding a horse. Horses however may, if properly taught, be driven without either bit or reins, merely by signals with the whip. Probably the simplest and most concise directions for whip training are given by Mr. Jennings in his valuable work on training horses. Mr. Jennings says :

" To train a horse thoroughly to drive without bit or line, under the whip, requires from four to six weeks' time ; it requires also a man of strong nerve and self-control to be a successful trainer in this particular branch. Whip training illustrates the beauty and power of our system of horse training. Such a feat as driving a horse without bit or line cannot be accomplished by any other system known to man. Having selected a horse with a moderate share of intelligence, the next thing is to secure a suitable place for training. An enclosure twenty-five or thirty feet square is required. If you have it smaller, and your horse should be disposed to kick, you would be in danger ; if larger it gives the animal too much room to get away from the whip. It is better that you go in with the horse alone, as then the animal will have no other object to take his attention. Turn him loose without bridle or halter in the enclosure ; take your position in the centre, holding in your right hand a straight whip nine or ten feet long ; you crack the whip as you take your position ; this alarms the horse and causes him to run into one corner of the enclosure ; crack it several times that he may learn that you do not intend to hurt him ; now commence tapping him lightly upon the near shoulder, but not to hurt him ; if a nervy fellow he is all excitement for a few minutes ; continue the tapping until he turns his head toward you, which he will do in a short time. The moment he turns it, however slight it may be, cease the whipping ; as soon as he turns it away again repeat the tapping with the whip ; in a few minutes he again turns his head toward you ; stop the motion of the whip ; as he turns away repeat the whip tapping as before ; in a very short time he turns around so that you can approach him ; now gently caress him ; move away and again approach him ; should he turn away repeat the whipping, by this means you teach him to come to you on the near side. After he has learned this thoroughly, which requires about one week's training, half an hour each day, then proceed in the same manner upon the off side ; as soon as

he obeys the motion of the whip upon this side, take your position behind him, and turn him by the motion of the whip to the right or to the left; as soon as he performs nicely, put the harness upon him, take the lines behind him, and, as you give him the word to go forward, throw the whip down by his right side without touching him, at the same time have the long web around the near fore foot, and give it to an assistant; you want him to stop, give him the word "Whoa," at the same time your assistant pulls up the foot, turn the whip in a horizontal position above your head—in this way you teach him that the whip in that position means 'Whoa.' By repeating these motions, he learns in about four weeks to turn to the right whenever the whip is thrown toward the right shoulder; to the left when thrown toward the left shoulder; to go ahead when thrown down by the right side; and to stop when held in a horizontal position. You now want to teach him to back; having previously instructed him according to our rule, put the cord, using the small loop, in his mouth; take the cord in your hand with the reins, pull upon the reins and say 'Back,' at the same time keep the whip directly over the animal's back, giving it an upward and downward motion, or you may tap him gently upon the back with the whip—this is best done in a sulky. If he starts forward, set him back by pulling quickly upon the cord; repeat the operation until he will go back by the motion of the whip alone. Should he make repeated efforts to go forward, bring the whip quickly once or twice down over his nose, he will not then repeat the operation very often; with this training, it is necessary to use an open bridle, so that the animal will see the motion of the whip; you are now prepared to hook him up for the first drive. Take an assistant with you; have the foot strap or long web secured upon the near fore foot; give it in charge of your assistant; let the lines lie over the dash, as a matter of precaution. Now commence operations with the whip; if the animal acts promptly, remove the foot web and begin again, having the lines over the dash as before; drive the animal in this way at least two or three weeks before removing the bit from the mouth. Your horse is now safe to drive under the whip."

The large and noble looking horses which draw the trucks of the safe manufacturers in this city, are hitched in single file, only the rear one having reins attached. Sometimes six or eight horses will be required to draw the ponderous load, and the coolness and dexterity with which they wend their way through the confused mass of vehicles in the crowded streets is a truly remarkable sight. Without any guidance the leader will press onward through the mass, deftly avoiding collisions

and entanglement. Changes of route, stoppages, etc., are effected by such orders as "Whoa," "Gee," "Haw," which the leader promptly and intelligently obeys.

TO CURE BALKY HORSES.

From the number of "infallible recipes" given in the papers for curing balky horses we should judge a little light on the subject is called for by horsemen. The various remedies which different correspondents describe as having proved effective in their own experience would form a curious collection, though some of them betray a remarkable lack of real knowledge about the matter. One genius has discovered that stuffing a horse's mouth and nostrils with road dust is highly successful. Another humane individual deeply deplores the barbarous practice of whacking balky horses over the head and legs, and suggests that there should be substituted a system of steady, but not very severe, pounding in one spot with a "smooth club," until "the pain grows intolerable and he starts nervously forward." One hero, whose valor deserves to be chronicled for the admiration of future ages, thus modestly relates *his* experience with "one of the perverse animals," as he calls his horse :

"The first work I did with him after he came into my pos session was to draw a load of hay from the meadow. He started a few rods and then stood still, and no amount of urging that I could command would induce him to budge an inch. I took the pitchfork and sat down on the fore end of the load and began to prick him about the root of his tail, inserting the tines just through the skin. He kicked, but the load of hay was a complete protection. I kept on, moderately and persistently pricking for about five minutes, when he started for the barn. He never attempted to balk but once after, when the mere sight of the pitchfork was sufficient to make him draw."

In Cecil county, Maryland, a farmer resorted to a rather novel expedient for getting some "go" out of a balky horse. Having loaded his wagon rather heavily with wheat, the horses were either unable or refused to draw it. After trying for some time to put them in motion, he set fire to a sheaf of wheat, and applied the flame to one of the horses. The horse, not relishing the application, by a well directed kick deposited the blazing sheaf in the load of wheat. This becoming ignited, was entirely consumed, together with the wagon. One of the horses, also, narrowly escaped perishing in the conflagration.

Many of the cases of "balkiness" are nothing but want of power to perform the task assigned; a necessary pause from temporary exhaustion. A driver who understands his business

will give his team a breathing spell occasionally while pulling a heavy load. Another thing, if you find your team becoming exhausted and about to give out, it is well to stop them of your own accord ; and it is well, too, to give them a few moments rest before encountering a peculiarly difficult part of the route.

If you have balky horses, it is your own fault, and not the horse's, for if they do not pull true there is some cause for it, and if you will remove the cause the effect will cease. When your horse balks he is excited and does not know what you want him to do. For instance, a young horse that has never been "set" in a gully with a load before, is whipped by his owner or driver because he does not draw the load out. The animal is willing to do what he can, but he does not know how to draw out the load. He tries and finds that it does not move, not knowing that a steadier and stronger pull would do it, and when the lash comes down upon him and he hears the yells of his driver he is frightened, and jumps and rears through fear rather than ugliness or balkiness. No better way could possibly be devised to make a horse balky than to beat him under such circumstances. When he gets a little excited, stop him five or ten minutes, let him become calm; go to the balky horse, pat him and speak gently to him; and as soon as he is over his excitement, he will, in nine cases out of ten, pull at the word. After you have gentled him a while, and his excitement has cooled down, take him by the bits; turn him each way a few minutes as far as you can; gentle him a little; unrein him; then step before the balky horse, and let the other start first; then you can take them anywhere you wish. A balky horse is always high spirited and starts quick; half the pull is out before the other starts; by standing before him the other starts first. By close application to this rule, you can make any balky horse pull. If a horse has been badly spoiled you should hitch him to the empty wagon, and pull it around a while on level ground; then put on a little load and increase it gradually, caressing as before, and in a short time you can have a good work horse.

You might as well attempt to make a horse move a three story building and draw it off, as to get out of a slough with a heavy load, when the animal has never been taught by degrees to draw a load out of such places. It is true that it is bad policy to unhitch a horse from a load under such circumstances, but it is far worse to beat him an hour and then have to do it. Our way of teaching colts is as follows : We put on light leads, after they are well broken to a harness, and go into bad places where it requires hard pulling by degrees; and the animal learns how to draw the load out. He reasons as a man does, thus :

"I have been here before and got out, and I can do it again," and out he goes. We add to the load one or two hundred pounds, and go through the same process, then wait a day or two and try him again, taking care that we require nothing to be done extra except with a lighter load. This is teaching a horse to have confidence in himself, which is the basis of all good draught horses.

A Scotch paper describes a curious case of horse management, and though the same treatment has been equally successful in other instances we are inclined to believe the true secret lies partly in *gentling* the animal while the preparations are being made. The fact related is curious and may be useful, so we reproduce it :

"On Saturday last a groom, mounted on a high mettled hunter, entered the High street of Coldstream, and, when opposite Sir John Majoribank's monument, the horse began to plunge and rear to a fearful extent, swerving to the right and then to the left, but go forward he would not, nor could all the exertions of the groom overcome his obstinacy. The street was filled with people expecting to see the animal destroy himself on the spikes of the iron railing around the monument, when Mr. McDougal, saddler, walked up to the groom, and said : 'I think, my man, you are not taking the proper method to make the horse go ; allow me to show you a trick worth knowing.' 'Well,' says the groom, 'if you can make him go, it's more than I can ;' when Mr. McDougal took a piece of whipcord, which he tied with a firm knot on the end of the animal's ear, which he bent gently down, fastening the end of the string to the check buckle of the bridle, which done, he patted the horse's neck once or twice, and said, 'Now, let me see you go quietly home like a good horse,' and, astonishing to relate, it moved off as gently as if nothing had happened. Mr. McDougal says he has seen, in London, horses which no manner of force could make go, while this mild treatment was always successful."

HOW TO PREVENT HARNESSSED HORSES FROM RUNNING AWAY.

For the following useful suggestion we are indebted to Mr. Robert McClure :

"It has often occurred to our mind, on account of the many and destructive runaways of horses harnessed to sleighs, that have taken place in this city and its neighborhood the present winter, that some mode of training might be adopted for family or carriage horses, which would entirely prevent or at least mitigate the violence and excitement of horses that may take fright. A good plan, based upon our knowledge and observa-

tion of the excitability and nervous temperament of horses disposed to take fright, would be to harness them with strong harness to an old but stout carriage a few times before the sleighing season, and have them taken slowly out of the city to a country road, not too hard for the horses' feet, and drive them at a full run or gallop for a few rods at a time. Repeating this several times during the drive will so accustom the horses to the excitement of a run in harness and the rattle of a carriage behind them, that it will become familiar, and when occasions arise, as they sometime will in all large cities, to start them to run, they can be at once brought up and kept under complete control. The training to an occasional run has familiarized such horses with the excitement; but conversely, once let a team not used to it in harness, get a start and run, the excitement every moment becomes greater, takes the place of animal instinct, and all control of them is lost—till brought up against some obstacle, with a general smash of all surroundings, and perhaps the loss of valuable and useful life. Whether the horse be hurt or not, they are forever of no value for family purposes, and the groom or coachman not unfrequently loses both situation and character as a driver. To familiarize your horse to an occasional run in harness will do them no harm; and our word for it, much good will be done, and safety insured."

HOW TO INSTANTLY STOP RUNAWAY HORSES.

When a Canadian family party, traveling in winter over ice covered rivers and swamps, is so unlucky as to cross a place where the horse sinks, they save him from drowning, and themselves from the danger of sharing the same fate, by pulling a rope so arranged that it chokes him. The water being thus prevented from entering his gullet or windpipe, he floats on the surface, and it only requires a long and firm pull to bring him to solid ground, when the rope being relaxed he quickly recovers his wind and is ready once more to start on his journey.

Perhaps profiting by this example, a similar means has been adopted with success for stopping runaway and subduing infuriated horses whether in riding or driving. It consists of a rein composed partly of thread-covered cat-gut, and partly of common leather, one end of which is attached to the bridle at the top of the horse's head, while the other rests at the pummel of the saddle, or on the coach box, as the case may be. Running upon the cat-gut part by means of loops, is a short cross piece of cat-gut which rests against the windpipe of the animal, ready to be pulled up against it by taking hold of the nearer end of the rein. A quick and firm pull, to stop the breathing of the

animal, is all that is necessary to bring him to an instantaneous pause. He may be in a state of panic, running off with the bit between his teeth in spite of every ordinary means of checking him; but no sooner does he feel the stricture on his breathing than he is conscious of being outwitted and nonplussed and becomes instantly as quiet as a lamb; at the same time he keeps quite firm upon his legs—the check not being by any means calculated to bring him down. On the contrary, from the position in which it places the horse, his shoulders being brought up, and being pressed back upon his haunches, the check is, indeed, calculated to keep him up.

CHAPTER III.

ENGLISH SYSTEM OF TRAINING HUNTERS.

OWING to difference in customs of the two nations, such horses as the English hunters are not the most desirable for use in this country, and the system of training adopted to suit the animals to the requirements of English gentlemen, are seldom called into requisition here. Still, as we desire our work to be as complete as possible, and as the method of training is interesting, though it may prove useful to but few of our readers, we introduce it. We take this spirited description from "*A Holiday on Horseback*," from the pen of an English writer whose name is not given:

"A light built, gaylooking thoroughbred was passing into a paddock for a lesson in jumping over a swivel bush hurdle. Without spur or whip, the rider—the horsebreaker's son—rode the mare steadily at the fence, and she went over without touching a top twig, clearing nine yards in the leap. 'The great thing, sir, is to bring them into workmanlike ways; not to be fussy and flurried at their fence, so as to take off at the right spot.' Then he went on to inform us that hunters should be carefully handled at a very early age, if they are intended to become temperate and handy. They may be ridden gently by a light weight with good hands, at three years old, over small fences. At four they ought to be shown hounds, but they should only be allowed to follow them at a distance, after the fences are broken down, for if you put them to large leaps at that age they are apt to get alarmed and never make steady fencers."

afterward. Above all things, avoid getting them into boggy ditches, or riding them at brooks; but they should be practiced at leaping small ditches, if possible, with water in them, the rider facing them at a brisk gallop, for this gives a horse confidence and courage. The old custom of teaching colts to leap, standing, over a bar is now obsolete, and they are taught to become timber jumpers simply by taking timber as it comes across the country—the present rate of hounds gives no time for standing leaps. The circular bar, however, is not a bad thing if in a good place and well managed. Every description of fence that your hunter is likely to meet with should be placed within a prescribed circle on soft ground, the man who holds him standing on a stage in the center. Another man, following the colt with a whip, obliges him to clear his fences at a certain pace, and in a very short time a good tempered colt will go at his jumps with pleasure.

"Here let me observe—for the conversation had ended—that no matter how carefully a hunter may have been trained, until you taste and try him in the field, it is hard to say whether the right stuff be in him. The best judges are often deceived by outsides and school performances. A few general rules may, however, be given, which will be found of certain application. In a hilly country, for instance, nothing has a chance against a pure thoroughbred. Lengthy horses always make the best jumpers, if they have good hind quarters, good loins and good courage. Extraordinary things have been done by such horses. In 1829 Dick Christian jumped thirty-three feet on King of the Valley; and Captain Littler's horse, Chandler, cleared thirty-nine feet over a brook at Leamington. The most dangerous of all horses in the field is a star gazer. A hunter should carry his head low, as by so doing he is less liable to fall, and gives his rider a firmer seat. All wild horses lower their crests in leaping. It is, however, the peculiar excellence of going well through dirt which decides the real value of a horse for our best hunting counties. To find out this quality he must be ridden fair and straight. If he flinch on soft ground he is of no use. No matter how wide a horse may be, if he is not deep in the girth he cannot carry weight, and is very seldom a good winded horse, even under a light man. One of the best things that can be said of a hunter is, that at first sight he appears two inches lower than he really is. Short legged horses leap better and safer than long legged cattle, and go faster and farther under hard riders. Horses with straight hind legs never can have good mouths. He should have well placed hind legs with wide hips, well spread gaskins, as much as possible of the *vis a*

lergo, well knit joints, short cannon bone, oblique pasterns and largish feet. The bone of a hunter's hock cannot be too long. These are the points for strength and bottom.

"‘Handsome is as handsome does,’ and an old whip once said to a nobleman who remarked that his staunch old horse who had carried him through so many troubles had an awkward head: ‘Never mind his ’ed, my lord; I ain’t a going to ride on his ’ed.’ Indeed, what is called the perfect model horse is by no means the best. A horse’s constitution may be too good. Horses of a very hard nature, and very closely ribbed up, are large feeders, with great barrels, and do not make brilliant hunters. They require so much work to keep them in place and wind that their legs suffer, and often give way when their constitution is in its prime. Horses with moderate carcasses last much longer, and, provided they are good feeders, are usually bright and lasting enough, if otherwise well shaped. Finally, a hunter should be well seasoned. Few five year old horses are fit to carry a gentleman across country; for they cannot be sufficiently experienced to take a straight line. About fifteen hands two inches is the best height for a hunter. His action should be smooth, or it cannot last. The movement of the fore legs should be round, not high; the horse should be quick on his legs as well as fast.”



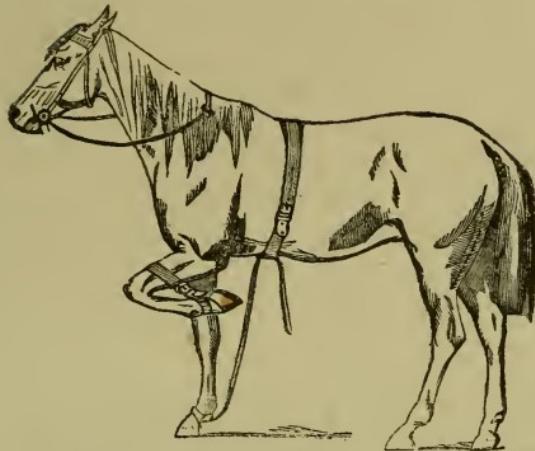
CHAPTER IV.

TRICKS OF PERFORMING HORSES, AND HOW THEY ARE TAUGHT.

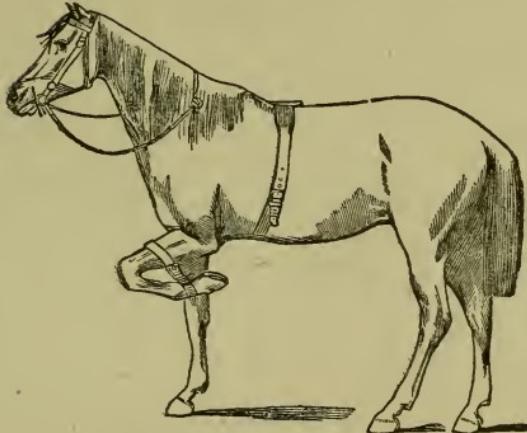
HORSES may be taught many amusing tricks, some of which are really wonderful. For teaching horses tricks the implements known as the Rarey straps are requisite, to teach the animal to lie down, &c. The piebald or spotted horses are generally supposed by trainers to be more tractable as well as to possess more talent than others.

THE SHORT AND LONG STRAPS.

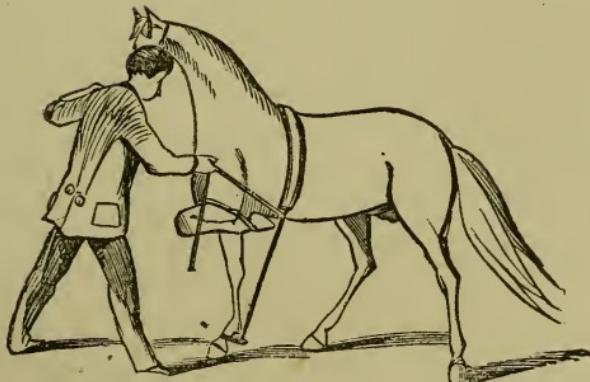
A common breaching strap is used to strap up the foot. For using, open the loop, keeping the buckle on the outside, put the loop over foot, then raise foot and pass the strap around the fore-arm from the inside, and buckle it tight; this holds the foot



THE SHORT AND THE LONG STRAPS.



THE SHORT STRAP IN USE.



TEACHING THE HORSE TO LIE DOWN.

up firmly. The *long strap* is the one which buckles around the foot. To a ring in this is buckled another strap seven or eight feet long. This is attached to the right foot and passes under the girth, or over the back. Its use is to raise the foot when you wish to bring the horse upon his knees.

Bend his left fore leg and slip a loop over it, so that he cannot get it down. Then put a surcingle around his body, and fasten one end of the long strap around the other fore leg, just

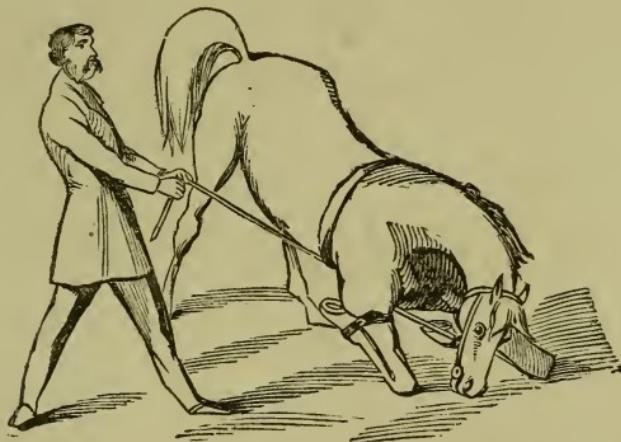


THE APPLICATION OF BOTH STRAPS.

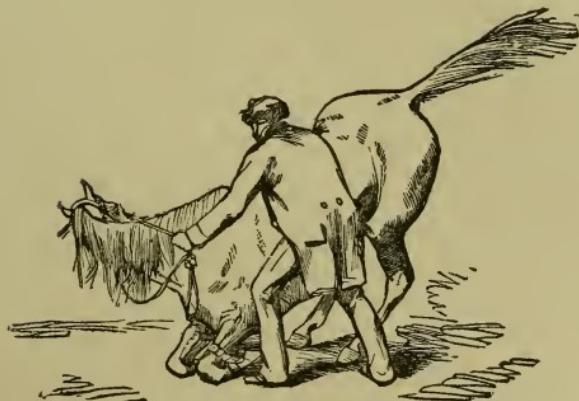
above the hoof. Place the other end under the surcingle, so as to keep the strap in the right direction; take a short hold of it with your right hand; stand on the left side of the horse, grasp the bit in your left hand, pull steadily on the strap with your right; bear against his shoulder till you cause him to move. As soon as he lifts his weight, your pulling will raise the other foot, and he will come on his knees. Keep the strap tight in your hand, so that he cannot straighten his leg if he rises up. Hold him in this position, and turn his head toward you; bear against his side with your shoulder, not hard, but with a steady, equal pressure, and in about ten minutes he will lie down. As soon as he lies down he will be completely conquered, and you

can handle him as you please. Take off the straps, and straighten out his legs ; rub him lightly about the face and neck with your hand the way the hair lies ; handle all his legs, and after he has lain ten or twenty minutes, let him get up again. After resting him a short time, make him lie down as before. Repeat the operation three or four times, which will be sufficient for one lesson. Give him two lessons a day, and when you have given him four lessons, he will lie down on your taking hold of one foot. As soon as he is well broken to lie down in this way, tap him on the opposite leg with a whip when you take hold of his foot, and in a few days he will lie down from the mere motion of the whip.

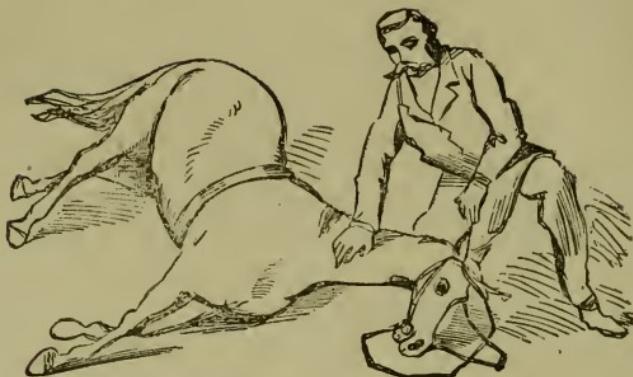
Use great gentleness during the operation. Compel the horse to comply with your wishes, but do not frighten or excite him.



BRINGING THE HORSE TO HIS KNEES.



PREPARING TO LIE DOWN.



THE HORSE LYING DOWN.

TO TEACH A HORSE TO SIT UP.

A common winding-up of the "grand entree" which usually commences the performances at most circuses, is for the horses of all the riders to lie down at the word of command, and at another command, to sit up on their haunches. The lying down part we have already explained ; the getting up is taught by Jennings as follows :

" Lay the animal down as previously directed, having a collar upon him ; place a hobble or strap, with a ring in it, around each hind foot ; take a pair of ordinary driving lines, pass the buckle end through the collar back to the ring in the hobble, and buckle them ; pull the feet up toward the shoulders, and carry the lines back to the hind quarters, hold them firmly in one hand, or give them to an assistant. Have a bridle with a long rein upon the animal ; take the rein in your hand, stand upon the tail, and pull upon the bridle rein, keeping the lines firm at the same time ; this brings him up in front, and prevents his getting his hind feet back far enough to rise upon them, they being drawn forward and securely held by the lines."

KICKING AT WORD OF COMMAND.

Jennings gives the following instructions for teaching horses a very common trick performed at circus exhibitions :

" Care must be taken in teaching this trick, that you have a horse not predisposed to vicious propensities, or you may make a confirmed kicker ; and then you will have the habit to break-up. A horse of a mild disposition may be taught to perform thus without the risk of his becoming a kicker. I have taught one of my ponies to kick when I desire him to do so, and he cannot be made to kick unless the whip is used lightly upon his

hind parts. Having selected your animal, take a pin in your right hand, prick the near hind leg with it and say, ‘Kick with the left foot;’ the animal soon learns to obey. Then proceed with the opposite leg in the same manner. After the horse will kick, with either foot, by a motion of the hand without pricking him you will stand off a short distance, with a long whip in your hand; touch the near hind foot and say, ‘Kick with the left foot;’ then proceed in the same manner with the right foot. By proceeding thus once a day the animal will soon learn to do his part very nicely.”

TALKING HORSES.

If neatly managed one of the most “taking” performances of the “arena” is the answering of questions by the horse. Yankee Robinson has a very fine animal, who replies to his master’s interrogations with much *seeming* judiciousness. Horses may be taught to shake and nod their heads as negative or affirmative replies, in either of two ways. The first method of training is this: Take your position at the horse’s head with a pin in your hand. Gently prick the animal’s breast. The horse bobs his head, just as he would had a fly alighted on the spot. Repeat the operation several times, each time caressing him, and perhaps rewarding him with a bit of apple occasionally. He will soon learn to nod his head on merely having the hand pointed toward his breast, or he may be trained to do the same by a motion of the foot. To teach the horse to shake his head it is only necessary to prick him slightly anywhere along the mane or over the withers. After a little teaching he will do so on your raising your hand to your head, a motion whose connection with the horse’s action will scarcely be suspected by the audience.

The second method is by pricking his breast at the same moment that you say “yes,” or any other particular word; and by pricking his withers at the same time you say the word “no.” He will soon learn to make the desired motion on hearing the word, even though no motion whatever is made. When exhibiting, the questions should be asked first, and immediately after the signal given to the horse. He, of course, knows nothing of the question, but obeys a definite command, just as he would if ordered to “back” or “whoa.”

Madame Tournaire, who performed her horse by the first method, had a way of coquettishly toying with her whip, and would give the horse the requisite signals by what the public imagined to be a mere display of feminine grace.

Where the horse obeys a *word*, that word must be incorpor-

ated into the question asked, in such a way as to attract his attention. If used too near the commencement of the sentence he will reply before the question is out of your mouth. It is not necessary to use the *exact* word that he "works" by, provided it sounds to him like it; thus, Yankee Robinson says to his horse during the performance, "I guess you're as handsome a fellow as these ladies and gentlemen ever saw—don't you *guess so?*" The horse nods his head at the emphasized word "guess," supposing it to be his command "yes." The next question, perhaps, is, "But others *know* the most?" In this case the horse, not being posted on Webster, and being guided by the sound, gives his head a negative shake, considering "no" and "know" synonymous.



PERFORMING PONIES.

TEACHING HORSES TO JUMP.

Colts should not be trained in jumping until at least four years old. Until this age the muscles and sinews are too pliable, and there is danger of the animal being strained. It is better never to urge a horse to attempt a leap which he cannot readily accomplish, for severe injury might result from his striking his feet, besides any failure to perform the leap will discourage him.

The bar should at first be placed very low and only raised very gradually. About knee high or less will do to commence with. Commence the instructions by letting one man lead the colt, while another man follows with a whip. The former walks over the bar encouraging the colt with his voice to follow. The man with the whip is only to prevent the horse backing, the whip should never be applied unless the animal is positively restive. With a little coaxing he will soon go over, and having once done so, he will readily repeat it. A few pieces of apple may be advantageously used to induce him to leap the bar, and to reward him for doing so. By using the word "hip" or any

other as he jumps, he may be taught to make the leap on hearing it. This is the common method for horses in the ring.

The first lesson should be confined to the standing or walking leap, and if the horse is led half a dozen times over in the manner described this will suffice for the first day. The next day he may be trotted up to it, or more lessons may be devoted to teaching him to leap at command. With each succeeding lesson the bar may be raised until it is as high as the horse's breast, but beyond this there is no necessity with common animals intended merely for private riding. Neither should the horse be wearied and disgusted with too long lessons. When perfect in his lessons a boy may be placed upon his back to ride him over. The boy must be a good rider, for should the horse stop suddenly at the bar and throw his rider the maneuver will be repeated. A sack containing a couple of bushels of corn is sometimes used instead of the boy, but the boy is better.

TO MAKE A HORSE STAND ERECT.

To make a horse stand upon his hind feet it is only necessary to compel him to rear up, and then to keep him in that position by gently striking him with the whip either under the fore-arm or under the chin. At first it will be necessary to allow him to resume his natural position after standing erect for a moment or two, but in a little while he will learn to keep his balance for a considerable time. Care should be taken not to excite or keep



STANDING ERECT.

him in the erect position too long at first. There is also some danger of his falling over backward if too urgently pressed. Ponies may be placed upon their hind feet by lifting them up by the reins, taking hold under the chin close to the bit. By

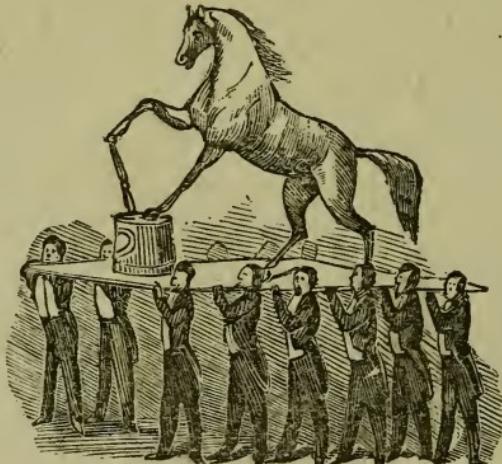
giving the command, "Erect up," when teaching the animal to take the required position, he may be taught to do so at this command, or he will soon learn to stand up by merely being tapped lightly under the chin. Now give him a few pieces of apple, and by holding out pieces of apple or other "horse" dainties, you may teach him to follow you walking erect.

TO "PIROUETTE."

"Pirouetting" consists merely in the horse turning around while standing erect upon his hind feet. He may be taught to do this very easily, either by coaxing him to turn by the use of pieces of apple, or by gentle taps upon the cheek. He soon learns to turn at a circular sweep of the whip or at the command to "Pirouette." This action is the same as is made use of when a horse is supposed to "waltz."

THE PEDESTAL.

One of the most common tricks displayed in circuses, and one which is usually hailed with applause, is what is termed the "pedestal" trick. A stout platform is used, to which is attached a wooden "drum" some two feet in height, out of which pro-



PEDESTAL TRICK.

jects a wooden rod or post at a slight angle. The horse first steps upon the platform, then places one fore foot upon the drum, and lastly places his other fore foot upon the point of the projecting post. In this position a handsome animal forms a really beautiful picture, and the effect is sometimes enhanced by having a number of men raise the platform upon their

shoulders, and bear the horse, high up above the heads of the spectators, like some equestrian statue, around the ring.

To teach this trick some patience is necessary but the method is quite simple. The horse is first led upon the platform several times, being allowed to remain a moment or more each time. He will soon understand when brought into the vicinity of the platform that he is to take his position upon it. Now compel him to raise his foot, and as he attempts to put it down again, guide it with your hand to the required position upon the drum. After a few times he will place it upon the drum of his own accord on being made to raise it. Then in the same manner make him raise the other foot and place it upon the post. This is the most difficult part of the performance on account of the post presenting only a slight foothold, and the horse having only limited power to guide his foot to this position; it is also quite difficult to make the hoof retain its hold even after the right position is gained. After the horse thoroughly understands what is wanted of him he will go through the performance without prompting, for the sight of the platform suggests to him the desired actions. The "carrying around" part is, of course, strictly a ring performance which few persons would care to undertake for private amusement, but if the horse is gentle and has been taught to have entire confidence in his master, and to obey him implicitly, there is little difficulty in this part of the exhibition if done with care.

TO TEACH A HORSE TO KISS.

Give the horse a few pieces of apple from your hand, then place a piece between your teeth, letting it project so that the horse can readily seize it. When he has become used to taking the apple in this way, say, "Kiss," or "Kiss me," to him each time before putting the apple in your mouth, and he will by and by put his mouth to your lips at this command. In every case he should be rewarded by a piece of apple, for, to him, "kiss me" means apple, and if he is deceived in getting it he will not so readily obey.

TO MAKE A HORSE FETCH AND CARRY.

For this purpose a small basket or some light article which he can easily seize with his mouth, should be used. Place the handle in his mouth and shut his mouth upon it. Should he drop it when you remove your hand, speak sharply to him, and replace it in his mouth. When he retains it you are to let it remain a few moments, then remove it, pat him, speak encouragingly to him, and reward him. In a short time offer it to

him again saying, "Take it," and he will probably do so; if not place it his mouth and repeat the course already described. When he has learned to take the basket on its being offered, let him follow you around with it in his mouth; then let some one else give it to him while you stand at a distance; now call him toward you and reward him for bringing it to you. He will thus learn in a short time to bring you any article given him. After this, place the basket upon the ground, call his attention to it, order him to "take it," and he probably will obey, if not, place it in his mouth and repeat the instruction until he will pick it up from the ground. Then a handkerchief or other article may be substituted for the basket, which articles he will soon understand are to be picked up also. He will soon learn to pick up anything you may drop in his presence, or to seize hold of any article that may be offered him, and this latter act may be applied to many tricks, as hereafter described.

FINDING A HIDDEN HANDKERCHIEF.

Having taught the horse to pick up any article dropped in his presence, take a handkerchief and cover it partially with loose earth, leaving it sufficiently exposed for him to readily seize it. Repeat the operation, each time covering the handkerchief more and more completely until it is entirely concealed. He will by this means be led to look for it even when it is entirely covered up. An assistant may now hold his hands over the horse's eyes while the handkerchief is being concealed. Before an audience this adds to the credit of the performance, but as the handkerchief is hidden in nearly the same place, the horse knows where to look for it and will soon unearth it. Even when hidden at the option of the spectator it is easy to indicate to the horse where to look, by a signal, or his sense of smell will lead him to the spot. Oil of rhodium is said by some to be employed in this trick, to guide the animal to the hidden article. This may be true in some cases but the horse can so easily be taught to accomplish the thing desired without its use that we doubt its being used to any considerable extent.

Another plan adopted for teaching this trick is the following: Spread on the sawdust a white cloth containing a liberal supply of oats, lead the animal around the ring and let him take some of the oats. This is lesson first; its object being to fix in the horse's mind a connection between the cloth and the oats. The march around the circle being once or twice repeated, he stops at the handkerchief as a matter of course. By dint of practice, say in a couple of weeks, he will learn to stop as readily in a trot or a gallop as in a walk. After a time the handkerchief

must be doubled over and tied in a knot; the animal shakes it to get at the grain, but not succeeding, lifts it from the ground, which is just the thing wanted. When the horse has done this a few times, and finds that though he can shake nothing out he will receive a handful of oats as a reward, he may be trusted to perform in public.

TO SELECT A CHOSEN CARD.

In performing this trick in public one of the audience is allowed to choose a card from the pack, and this card, with several others is thrown on the ground. The horse is then asked by his master to select the chosen card from among them, and to give it to the person who chose it. This sounds like quite a difficult feat, especially, as is usually the case, if he has had his eyes blindfolded while the selection of the card was being made.

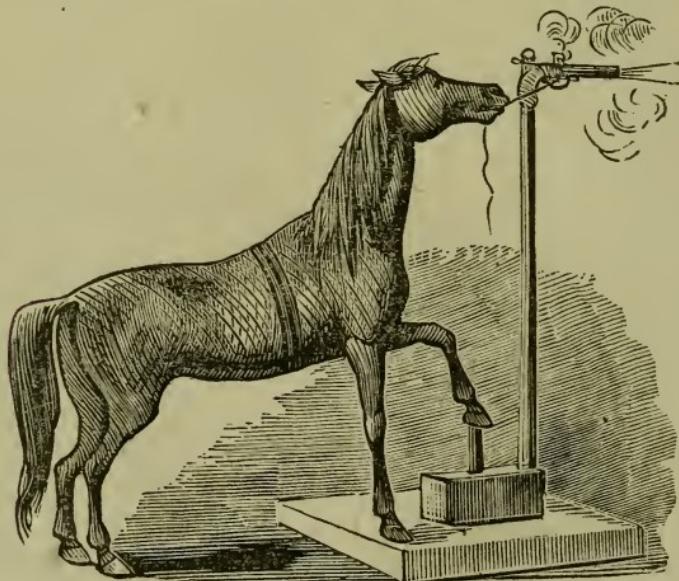
Having taught the horse to find and pick up the handkerchief it is very easy to substitute any other article in its place. If a card should be substituted it would be picked up just as anything else would be. The main difficulty is to teach the horse to pick the one desired from among the others, and that one only. To do this, spread half a dozen cards upon the ground at intervals of about ten feet. Let the horse go to one end of this line of cards. He will naturally stop at the first one he comes to, and, if left to himself, will pick it up. Instead of allowing him to do this, start him ahead with the voice using the term "Get up," or any other which he has been taught means "go ahead." Do this until he reaches the card which you desire him to pick up, at this you must remain silent unless he is about to pass it by like the former ones, in which case you say "Whoa," and keep him standing before it until he picks it up. When he does this, reward him and speak encouragingly to him, that he may know he has done what you wished. If you make a practice of speaking to him when he stops at the wrong cards, and of keeping silent when he reaches the right one he will soon come to understand that "silence gives consent," and that *that* is the proper card to select. The order in which the chosen card is placed in the row should be varied so that the horse may not learn to select the card by its *position* instead of obeying your signal. This enables you to let your auditors place the cards in any position or order their fancy may dictate without interfering at all with the successful "working" of the horse.

After he has learned to select the desired card without hesitation, he must be so taught that he will hand it to the person who may have selected it, when he comes to perform in public.

To teach him this, have an assistant stationed at some distance from you, and when the horse comes to you with the card, instead of taking it from him as you have been accustomed to do, turn his head in the direction of your assistant and start him up. He will go to the assistant if the latter holds out his hand, and, perhaps, whistles to him. Pretty soon the whistling may be dispensed with, and he will carry the card in any direction indicated in search of some one to receive it. When he comes to perform in the ring he will go around the edge looking for somebody to whom he may relinquish the card. The proper person will probably hold out his hand to take it, but a hundred others will quite as certainly do the same thing. Now if the horse selects the right person in spite of the other claimants to lead him astray, a round of applause is pretty sure to crown his success. To insure this he should be taught to relinquish the card at some particular signal given by the trainer. A cough will answer, or any *word* which can be incorporated into a sentence addressed to him, without being detected by the audience. We have given sufficient instruction on this point in preceding pages, we believe, to enable the trainer to use his own discretion as to the manner of associating the signal with the giving-up of the card, in the horse's mind.

TO FIRE OFF A PISTOL.

In performing this trick the pistol (unloaded) should be firmly secured to a post or some other convenient support, as high as



FIRING OFF THE PISTOL.

the horse can conveniently reach. To the trigger attach a small wisp of hay by a string, so arranged that by pulling at the hay the pistol will go off. Lead the horse up to this, that the savory morsel may attract his attention. He will probably pull at the hay, and in his efforts to get it, will pull the trigger. Let him eat the hay, and repeat the operation several times, patting and speaking kindly to him each time. Now attach a piece of rag to the trigger instead of the hay; show it to him and induce him to take hold of it. Every time he pulls at it, and makes the hammer click, reward him with a piece of apple. When he has become used to pulling the rag when it is shown him, the pistol may be capped. The explosion of the cap may startle him somewhat at first; but gentle treatment and a little encouragement will soon banish his fears, especially if the noise of the explosion be only slight, which would be desirable. When he will snap caps without hesitation a small charge of powder may be tried. A heavy charge only makes a nuisance of the trick, and should only be used when displaying before an audience; even then the desirableness of such a proceeding is very questionable.

TO TEACH A HORSE TO DANCE.

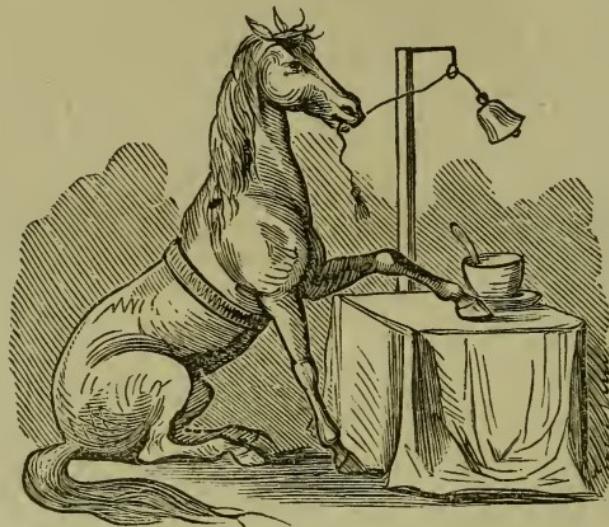
A horse may be taught to dance thus: Fasten the animal with two side-reins between the posts supporting the leaping bar. Take a whip, and, as the music plays, gently touch him with it, using the "jik, jik," of the groom as you go on. The horse being tied to the posts can move neither backward nor forward, but he will be induced to lift his legs and thereby gain the rudimentary movement of his lesson. After a while the teacher must mount on his back; the horse being fastened by the side reins. Just when he is to raise his leg, a gentle pull must be given to the rein at the proper side to help the movement. In course of time the reins must be loosened, and the horse, if tolerably ready, will soon learn to mark time, quick or slow, in answer merely to a slight jerk of the bridle. The rider must then dismount, and coming before the horse, teach him to dance, or keep time, with a wave of the hand, or by a pat on the foot which he is wanted to lift.

It may be remarked here that, though the dancing horses at the circuses appear to keep time with the music of the band, it is really, in most cases, the band that accommodates its music to the movements of the horse.

TO EAT AT TABLE.

An amusing scene often enacted in the ring is to have a horse

seated on his haunches before a table, while the clown obsequiously serves him. A bell is attached to the table, so arranged that the horse can ring it by pulling at a bit of rag, and as the horse is almost continually ringing the bell, and the clown makes



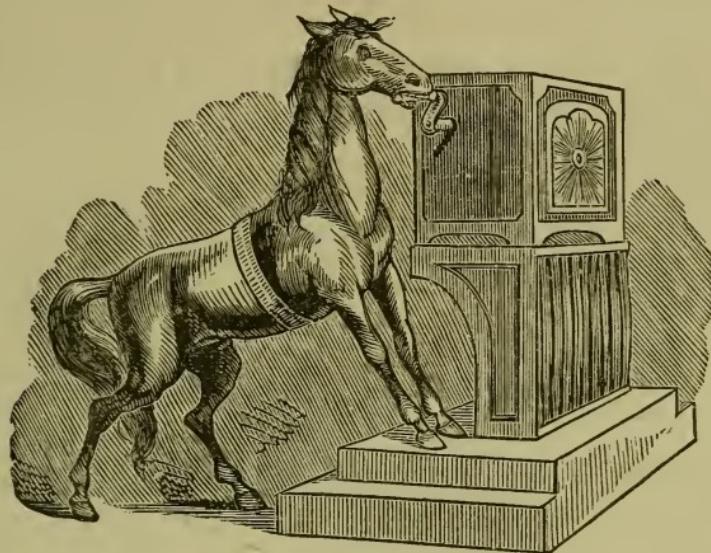
AN EQUESTRIAN EPICURE.

apparently frantic efforts to answer this summons each time, while bringing in plates, etc., a vast amount of laughter is usually created. The same instructions which we have given in previous pages relative to sitting down, firing off the pistol, etc., will apply to this trick. It is usual, when the table is finally set, for the clown to seat himself opposite the horse and pretend to share his meal. As the food commonly consists of hay pies, with brown paper crusts, the actual eating, we presume, is generally confined to the horse, but the fun is much increased by the clown taking a huge mouthful of hay, as though intensely hungry, and the horse then snatching it from his mouth, and devouring it himself. This latter feat is a mere modification of the kissing trick, where he takes the piece of apple from the trainer's mouth.

TO TURN A HAND ORGAN.

This feat may be easily accomplished by the application of the plan already described, which we may term the "pistol principle." After the horse has learned to take hold readily of anything offered to him, which knowledge he will have acquired if he has already learned to perform the tricks heretofore mentioned, the only additional instruction necessary will be to

initiate him into the mysteries of *turning* the handle. When he has taken hold of the handle, gently move his head so as to produce the desired motion. If, when you let go of his head, he ceases the motion, speak sharply to him and put his head again in motion. With almost any horse a few lessons, and judicious rewards when he does what is required, will accomplish the object, and he will soon both be able and willing to



THE HAND ORGAN PERFORMANCE.

grind out Old Dog Tray, or Norma, if not in exact time at least with as much correctness as many performers on this instrument. Some time since there was a horse connected with Franconi's circus in Paris, whose education had progressed finely until the organ was reached, as it was in due course of time; this appeared to be the stumbling block in his progress.

It seems that the horse in question had already, under the lessons of his master, developed an unusual degree of intelligence, his eyes in particular becoming so full of expression that one could hardly doubt that he understood very much of what was said to him. His master had great hopes of him; he had been in training only a year, and he had already learned to lie down and get up as ordered, to enact the dead horse, to fire a pistol, and to give whichever of his fore hoofs was asked for. At length the professor began the task of teaching this promising pupil to turn a barrel organ; but either this particular species of exercise was repugnant to his tastes, or the sound of the organ was disagreeable to his ears. Certain it was that the

animal, usually so docile, was resolute in his refusal to touch the handle of the barrel organ. His preceptor labored at this point for a month without being able to vanquish the repugnance of the horse for the object so constantly presented to his attention. Coaxing, caresses, and the whip were employed in turn, and equally without success. On these occasions the horse's eyes expressed as clearly as though he had spoken it in so many words the absolute determination not to touch the handle of the organ. The trainer, though naturally of a violent temper, was always patient and gentle with his equine pupil. Whenever he felt that the obstinacy of the horse was on the point of getting the better of his apparent calmness, he would leave the stable to give vent to his irritation out of the sight or hearing of the animal. To those who prophesied that the horse would never turn the handle of the organ, he replied, "He shall turn or die." At length, perceiving that he made no progress in the work of vanquishing the animal's obstinacy, he caused the windows of the stable to be stuffed with hay and then boarded over, so that not a ray of light was visible, and a couple of men, hired for the purpose, beat a drum incessantly beside the animal's stall, relieving one another at stated intervals. The struggle was continued for four days and nights, during which the professor returned to the charge once every hour, presenting the handle of the organ to his refractory pupil, renewing his command to the latter to take hold of it.

The neighborhood was beginning to threaten the trainer with a summons before the police court, to answer to the charge of disturbing its slumbers with the perpetual beating of the horrible drum, which the unfortunate horse, comprehending at last that there was no other chance of deliverance left to him, suddenly seized the handle of the organ with his teeth and turned with all the little strength that was left to him. Daylight was at once restored to the stable, the drummers were dismissed, all possible caresses and the finest oats were lavished on the now docile scholar, who never forgot the terrible lesson of his four days struggle, but, whatever may have been the sentiments with which he regarded the operation, never failed vigorously to turn the handle of the barrel organ whenever the word of command was given.

TO FEIGN LAMENESS.

To teach a horse this trick requires a greater degree of labor and perseverance than is necessary to instruct him in almost any other. So wearisome is the task, and so long is the time required in its accomplishment, that in ordinary cases it is not

worth attempting. We propose, however, in this little work to tell all that there is to be told about our subject, even though most of our readers should find many things impracticable in their own cases ; and it is well worth while to explain all these matters though it be only to gratify the curiosity which is very naturally felt. An uninitiated person would probably be entirely at a loss how to set about accomplishing this feat, and it is doubtful whether he would succeed in discovering the secret of it without assistance. The mystery is not such a very great matter after all, and may be disclosed in a few words.

If you observe a really lame horse—if you haven't any in your neighborhood just visit New York and you will find some beautiful specimens of the article—you will perceive that there is a constant jerking or bobbing of his head, caused by his lowering it as he treads upon the lame foot and raising it as he raises the foot again. Now the *appearance* of lameness is caused just as much by the motion of the head as anything else, and a really sound horse, if he bobbed his head as he lowered and raised a particular foot, would appear lame ; in fact he would actually go lame with this foot because the motion of his head would compel him to tread more lightly on that than he did on the others, exactly as in the case of the bona fide lameness. This is the secret, and the trainer's efforts are directed to producing this motion of the head. To make a horse bob his head is a trifling matter, but to make him do so every time he treads on one particular foot, and to do so at the right moment, without hesitation or mistake, requires many weary lessons, and a stock of patience equal to that popularly supposed to have been possessed by the ancient Job.

Commence by taking the horse by the bridle, close to his mouth, and walking him very slowly. Watch the foot with which you desire him to go lame, and each time that it comes that foot's turn to step, press the horse's head gently upward as he raises his foot, and downward as he again places it on the ground. Let your motions be simultaneous with the movement of the foot, proceeding so slowly that there is no danger of becoming confused. By-and-by you may release your hold of the bridle and make the motion with your hand, which he will soon obey. You may then accompany the motion by any sound or word of command, and he will learn finally to make the motion on hearing this sound.

A correspondent of an English journal lately described a pony in his possession who in some way had picked up a knowledge of this trick and applied it very acutely to his own advantage. The gentleman thus describes the proceedings of

the animal : " Whenever the pony had been turned out to graze and was afterward brought up to be hitched into the carriage, it invariably turned lame after going a few yards—so lame in fact that I frequently turned back, being ashamed to drive an animal in such apparent pain ; I say apparent, because no sooner had the pony been relieved of its harness than it used to canter around. The same pony when brought from the stable would go perfectly well as long as it wished, but when I drove it in any direction contrary to its inclination it became lame immediately ; as soon as its head was turned homeward the lameness entirely disappeared."

TO TEACH A HORSE TO WALK OVER YOU.

This trick is sometimes exhibited by persons desirous of displaying either their own courage or the docility of their horses. There is a natural aversion felt by horses, and indeed by most animals, to treading on a living object. Few horses will, of their own accord, unless they are under excitement, trample upon a child who may chance to be in the way. Many instances are related of horses lifting infants from their pathway and gently putting them down on one side, where they were out of danger. It is therefore pretty safe to allow your horse to step over you, while you lie upon the ground. To insure against accidents, however, a little preliminary training is advisable. First, let an assistant lead the horse over your legs while you are seated upon the ground with those members extended. Then, after a few repetitions, lie down at full length and let the assistant lead the horse over you in various directions. Very soon the horse may be entrusted to walk over you, merely guided by the snapping of your fingers in the direction you desire him to go.

ORDINARY CIRCUS HORSES.

The common horses ridden by circus performers require some training before they are available in the "circle," though it is slight compared with the instructions of the "trick" horses. The main thing is to break them to trot evenly and steadily around the ring. They may be taught this in an open field by attaching a line to the nose piece of the halter, which line the trainer holds in his left hand while in his right he has a long whip. Starting the horse, the trainer turns slowly as the horse goes around ; the line keeps the horse from going away from the trainer in any direction and so forces him to go in a circle ; the whip is used to keep him at the proper distance from the man, and so preserve always the same sized circle. The whip

should be held on a level with the horse's shoulder and should be moved so as to accompany him around. Subsequently the



BREAKING HORSE FOR THE "CIRCLE."

line may be removed and the horse will still follow the circle pointed out by the whip, and increase or abate his speed to correspond with its movements. The horse is then ready for the rehearsals of the rider, and soon learns to preserve his pace unbroken, regard less of the movements of the man upon his back.



CHAPTER V.

THEATRICAL HORSES AND THE HORSE DRAMA.

THE exact date at which horses were introduced upon the stage we are unable to state. It is the custom with many writers to trace everything back to the ancient Greeks or Romans and build up their subject from this classic foundation; perhaps we might be able to do likewise were we to try, but we prefer to be excused. Certain it is that for many years such dramas as Mazeppa, Herne the Hunter, Putnam, and others of a certain kind have maintained a steady popularity. At first the characters of the heroes in these pieces were performed by males, and their popularity depended upon the beauty and spirit of the horse, the daring of the rider, and the general excellence of the drama—combats, processions, and startling effects being

always taking ingredients. By-and-by, however, an adventurous rider of the other sex entered the lists in competition with the gentlemen. Her success inspired others to follow her example, until a dozen or more actresses were found performing the various rôles of the "horse drama."

In all these pieces the principal attraction, next to the lady rider, is the performance of the horse, which, with very little variation, is generally the same in all. At the back of the stage, crossing and re crossing it, and rising higher and higher at quite a steep inclination, is a plank gangway, some two or three feet wide. This is technically termed the "run," and is supported by stout scaffolding, which is hidden by the scenery. At each turn, which is concealed by the "wings," is a sort of platform to enable the horse to turn and to get a fair position for making the next rush across. The scenery is usually painted to represent mountains, and the canvas which conceals the run is painted to resemble rocks. Ravines and other results of the skillful scene painter's talents often add to the seeming danger of the pass. Usually a series of different plays are produced during the engagement of the horse and rider, and the same run serves to represent the mountains of Tartary in Mazeppa, the Yankee hills in Putnam, or the natural elevations of any other portion of the world in which the scenes of any particular play may chance to be located. At the proper moment the horse dashes over precipices, rushing torrents, or fearful mountain gorges, (all canvas of course), with his rider astride his back, or strapped upon the "untamed steed," as the stage business may require. To enable the horse to climb or descend the run without slipping, small pieces of sharpened steel are screwed into his shoes previous to his coming upon the stage. When it is a man who is strapped upon the horse he is usually merely secured by the waist, he holding the girth firmly with his hands. When a woman performs the part it is customary to secure her ankles as well, mainly for the purpose of keeping her *on top* of the horse should he by any accident fall. In playing Mazeppa the rider is utterly helpless, and without this precaution serious and even fatal injuries might be received. The gentlemen consider their muscle sufficient to enable them to dispense with this care. Some years ago a popular equestrian actress while performing in a western city met with a fearful accident from having one of her feet free in order that she might tickle the horse with her spur, to make him prance and curvette before the audience. On leaving the stage the horse stumbled over some stray scenery or other obstacle, and fell. Had the rider been lashed according to cus-

tom on *top* of the horse the only danger would have been the risk of striking against some projection, for the horse could not fall upon his back. As it was, her leg slipped under the horse as he fell, and his weight coming suddenly upon it, the thigh was broken. It is said that as she was conveyed to the boat the horse followed with every appearance of sorrow, whinnying softly, as though striving to express his sympathy. Many months after the accident, when the rider mounted him for practice previous to resuming her profession, an eye-witness related that it was really wonderful to see how gentle were all the horse's movements, and how, of his own accord, he would check himself whenever his motion extorted the slightest cry of pain, almost suppressed though it was, from his rider.

In these plays very little training is required by the horse. After the ordinary breaking he is frequently exercised in going over the run. Owing to the restricted space it is very difficult for the horse to display any degree of speed, and as this is the main thing to be accomplished, he is therefore taught to start *instantly* at a rate which an ordinary horse could not by any means attain within the prescribed limits. We have seen Mazepa played where the stage was so small that while the horse's tail was against the wall of the theater his nose was barely prevented protruding beyond the scenes, previous to his starting to rush before the audience, from an imaginary journey of some score of miles. When he *did* come before the public it was difficult for them to see the whole of him at one time even with the scenes run back as far as possible. How the poor animal managed to travel over the diminutive run which was provided we cannot imagine, and yet the sight from the body of the theater was quite respectable.

After ascending the run the horse and rider must remain high up in the lofty region of the "floats" until a change of scene permits them to descend unobserved, or the play requires their descent in public. A perilous, and consequently attractive, feat has been introduced into this play by one or two unusually reckless and daring riders, consisting of an extension of the run around the gallery of the theatre. Over this narrow road above the heads of the spectators, some hundred feet or more from the ground, amid the glare or the lights, the banging of the orchestra, and the thunders of the multitude, dashes the horse, bearing in triumph "the sensation rider of the world." A single misstep, the displacement of a single plank in that frail support, and horse and rider would lie a mangled mass below. And this is the very reason the house is jammed with eager throngs—not that they wish the rider to meet the horrible death thus

courted night after night, but it is certainly this *possibility* which renders the performance so attractive. Playing Mazeppa is not always the height of felicity.

There is a story told of a horse who probably never had the honor of figuring on either posters or play bills, which we think may be appropriately recorded here. A traveler on a dark night presented himself at the door of a country inn, and demanded lodging. The landlord, after some general remarks, suddenly turned pale and asked his guest by what road he had come. Upon being informed he almost fainted with terror. On examination in the morning it was found that the horse ridden by the traveler had walked with safety the string piece of a long bridge, and maintained his footing on the single extended timber, scarcely a foot wide. The planks of the bridge had been torn up for repairs the day previous; a misstep of the sure footed animal would have precipitated himself and rider into a chasm a hundred feet below.

In Mazeppa and similar plays the horse is "worked" by his trainer or master who comes on the stage attired as one of the retinue or attendants. In other pieces the rider himself manages the horse. These horses are seldom used for any other purpose, as ordinary riding or driving would make their mouths hard and render them less easily controlled upon the stage. In the summer their shoes are taken off and they are allowed a holiday in the country pastures. Mr. Collins, an actor of considerable celebrity who played successfully all the range of equestrian characters, and who trained several of the most popular "star" horses, had a magnificent stallion of large size which was probably the handsomest horse in the profession. He was a trifle too large to display his speed to the best advantage in the theater, but on the road, where Mr. C. occasionally displayed his points, there were few animals who could contest the palm with him for speed. He was a fiery fellow, and if annoyed would bite his tormentor fiercely, and few cared to excite his anger. This was made a "point" of on the stage, Mr. C. plaguing him a little unnoticed by the public, and the spirit the horse displayed always "took" with the audience. Mr. C., however, found it necessary to keep out of reach of the animal's teeth, or even his influence over the horse might not have preserved him from an uncomfortable nip.

Years ago when horse dramas reigned in the Broadway theaters, as well as in the less aristocratic locality of the Bowery, an enterprising manager determined to bring out Herne the Hunter, "in the highest style of the art." A number of horses, circus men and innumerable supernumeraries were engaged, and

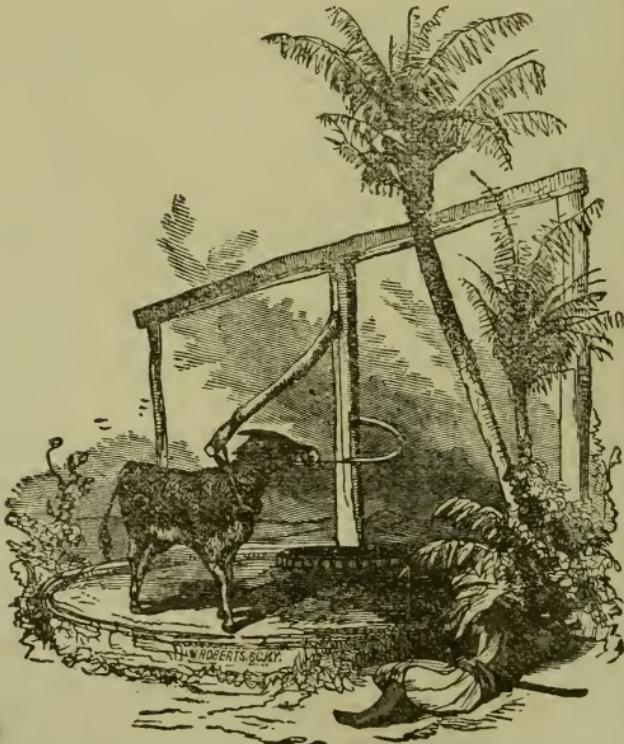
the piece produced under the most *horse-piece-cious* circumstances. The eventful night arrived, the house was crammed. The play progressed, people came on and off the stage, talked, raced, shouted, went through traps, climbed canvas rocks, and indulged in all the customary motions of a grand "spectacle." There has always been a natural feud between actors and circus folks. The ring people despise those who can only "cackle," (flash term for talk), while the stage fellows say that folks who travel on their shape, and have no brains to back them up, are contemptible. In those days there was even less good feeling between the two professions than at present. The supes aspiring to the dignity of "the stage" were more intense in their antipathy to the riders than were the actors themselves, and being always ready for a lark, some of them procured a lot of a peculiar kind of tinder which is readily lighted and could be surreptitiously blown into a horse's nostrils without the culprit being detected. Suddenly in the midst of the performance the horses became restive, and in a moment became unmanageable. Some reared and kicked, some broke through the stage, while others, trampling the foot lights under foot, plunged into the orchestra. All was confusion. An actor advances to the foot lights and assures the audience that they need feel no alarm—nothing of importance is amiss—it is "all right." At this very moment two horses are murdering their riders in the orchestra. One of the men, literally impaled upon the spikes around the railing, presents a sickening, horrifying, spectacle as he writhes in his death agony. Of course the play was not concluded; the audience departed shocked at the awful sight they had witnessed, and the supes, who had intended no farther harm than a little amusement at the expense of the circus men, now bitterly repented their thoughtless folly. They did what they could to atone for trick by making up a purse for the benefit of the families of the principal victims of the unfortunate affair, but the horse drama had received its death blow on Broadway.



CHAPTER VI.

BREAKING AND TRAINING MULES—PERFORMING AND “COMIC” MULES.

MULES appear fated to labor under an unfavorable and unenviable reputation. Not only has that rather objectionable quality of stubbornness been supposed to exist in their disposition to such an undue degree as to give rise to the saying, “as stubborn as a mule,” but this general reputation for intelligence is by no means first rate. That the mule is by nature inclined to be rather stubborn is undoubtedly true, but it is very questionable whether the wonderful displays of this quality sometimes met with, are not actually as much due to the very measures adopted to overcome the fault as to the natural disposition of the animal. With proper treatment and a little judicious training the objectionable features in a mule’s disposition might be easily remedied.



A LAZY CURE FOR LAZINESS.

There is a clever invention attributed to a certain lazy Hindoo, for overcoming the proverbial laziness of the mule. It appears that the man was employed to oversee a mule working one of those primitive mills in use to this day in India. The man seems to have been slightly inclined toward laziness himself, and was anxious to contrive some plan which would enable him to keep the mule in motion and monopolize all the indolence himself. This he at last accomplished with the aid of a clever device, shown in the accompanying illustration, which explains itself. We give it as a curiosity in the "art of training animals," without vouching for its strict fidelity to the truth.

The following instructions are given by Mr. Riley, an experienced authority, for breaking mules :

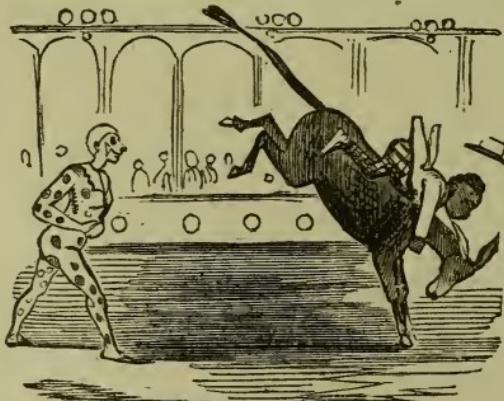
"In breaking the mule, most persons are apt to get out of patience with him. I have got out of patience with him myself. But patience is the great essential in breaking; and in the use of it you will find that you get along much better. The mule is an unnatural animal, and hence more timid of man than the horse; and yet he is tractable and capable of being taught to understand what you want him to do. And when he understands what you want, and has gained your confidence, you will, if you treat him kindly, have little trouble in making him perform his duty.

"In commencing to break the mule, take hold of him gently, talk to him kindly. Don't spring at him, as if he were a tiger you were in dread of. Don't yell at him; don't jerk him; don't strike him with a club, as is often done; don't get excited at his jumping and kicking. Approach and handle him the same as you would an animal already broken, and through kindness you will, in less than a week, have your mule more tractable, better broken, and kinder than you would in a month, had you used the whip. Mules, with very few exceptions, are born kickers. Breed them as carefully as you will, the moment they are able to stand up, and you put your hand on them, they will kick. It is, indeed, their natural means of defense, and they resort to it through the force of instinct. In commencing to break them, then, kicking is the first thing to guard against and overcome. The young mule kicks because he is afraid of a man. He has seen those entrusted with their care beat and abuse the older ones, and he very naturally fears the same treatment as soon as a man approaches him. Most persons entrusted with the care of these young and green mules have not had experience enough with them to know that this defect of kicking is soonest remedied by kind treatment. Careful study of the animal's nature, and long experience with the animal have

taught me that, in breaking the mule, whipping and harsh treatment almost invariably make him a worse kicker. They certainly make him more timid and afraid of you. And just as long as you fight a mule and keep him afraid of you, just so long will you be in danger of his kicking you. You must convince him through kindness that you are not going to hurt or punish him. And the sooner you do this, the sooner you are out of danger from his feet."

PERFORMING MULES.

Chief among circus attractions, especially in the eyes of the boys, are the trick or "comic" mules. A couple of these animals are attached to nearly every troupe, and quite a variety of tricks are performed by them. The performance usually the most eagerly looked forward to, is that reserved for the final part of the exhibition. The regular performances being concluded, one of the mules is retained in the ring and the ring-master invites some boy present among the audience to come forward and take a ride—if he can. There are generally plenty of eager respondents to this invitation, one of whom is permitted to enter the ring. The ring-master leads the mule up to the boy as though to assist him in mounting. If the boy is "green" he will probably be somewhat astonished, as soon as the mule is brought near him, at having the pit of his stomach made a target for the reception of the said mule's heels. If he



A "COMIC" MULE.

has already seen a similar performance he will have anticipated this little episode, which can always be calculated upon without fear of disappointment. After many struggles the boy perhaps succeeds in mounting the mule and then an amusing contest ensues between them—the boy's efforts being directed

to maintain his hold, and the mule's to dislodge him. Running at full speed, the animal tries to throw his rider by stopping suddenly, and if successful in this attempt, the boy is either thrown head first among his companions, or, if he lands in the ring, is chased out by the mule.

It is rarely that any one succeeds in maintaining his hold for more than a few minutes, unless he is a capital rider, in which case he may be able to master the animal; should this result be at all likely, the ring-master will, on some pretext, interfere and select some less expert rider from the audience. Finally an attaché of the circus, disguised as a countryman, volunteers to ride the mule, and after considerable caricature riding, and ridiculous posturing, he concludes the performance.

Sometimes to enhance the interest in the affair a reward of five dollars is offered to any one who will ride the mule three times around the ring. This was usually done by Dan ——, a prominent circus manager. We were present on one occasion when a big burly "rough" entered the ring at Dan's general invitation, to compete for the prize. The mule was particularly spunky but he was finally forced to succumb, and notwithstanding all Dan's attempts to balk the rider, the mule was ridden the requisite number of times around the ring. Least any of our readers should be led to cherish the delusion that *they* might thus earn a reward for displaying their mule breaking abilities, we may mention that, in this case at least, the rider did *not* receive the money. The showman assured him that the offer was only in fun and declined to hand over the amount. The rough thereupon "pitched in" and administered a thrashing to the showman before he could be prevented. A general fight was only averted by the exertions of the police. We believe Dan, while he remained in that locality, did not repeat his offer.

Very little special instruction is required for "comic mules." The kicking part of the performance may be taught according to the instructions given for teaching horses the same act. The mule is allowed with strangers to give full vent to all the natural viciousness of his nature, and is encouraged therein. Toward his trainer, and those connected with the establishment, such conduct is not allowed. He soon learns from experience that the worst conduct toward boys in the ring is meritorious, and being annoyed by their persistent efforts to ride him, he resorts to every possible device, without requiring any instruction, to get rid of his tormentors.

Another humorous scene sometimes enacted by the mules is a prize fight, the principals being rigged up in costume and

furnished with boxing gloves, while two small donkeys are made to seat themselves and hold sponges, as though personating the



AN ASININE PRIZE FIGHT.

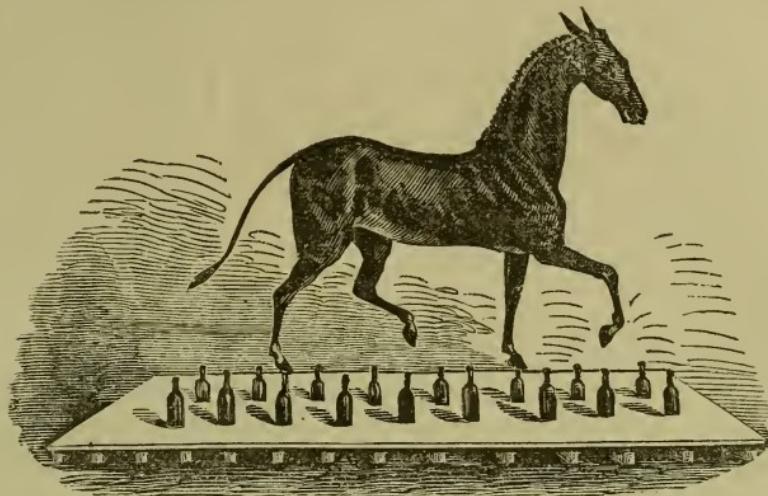
seconds. Sometimes this latter character is assumed by the clown and ring-master, though it makes little difference. The actions of the mules have a very slight resemblance to a combat and the costumes make them look funny and satisfy the audience. The training required is merely to make them stand erect.

Mules, though possessing less intelligence than horses, may be taught many of the tricks which the latter perform, and the same instructions will suffice for training them.

The sure-footedness of mules has enabled trainers to teach them, in several cases, a very effective and showy trick—that of walking over a number of empty bottles placed upright on a floor or platform. This feat is always highly successful wherever performed, and it is really an excellent one. The bottles used are large, stout porter bottles, which will readily sustain a great weight if placed directly on top. To teach the trick the bottles are at first secured in a platform composed of a double thickness of planks, in the upper one of which holes are cut. In these holes the bottles are placed; the bottoms resting on the lower layer of planks, while the upper one holds them securely in place.

Before teaching this trick the animal is usually taught the ordinary pedestal trick, as explained in a preceding chapter, as a preparatory lesson. He will then more readily acquire the bottle feat. He is first made to place one-fore foot on top of a bottle's neck, then the other fore foot on another. Then the first foot is tapped with the whip to make him raise it and advance it to the succeeding bottle; as he does this his hind foot is struck gently to force him to place it on the vacated

bottle. Six or eight bottles are sufficient to commence with, additions being made as the animal becomes proficient. When the trick is learned it is unnecessary to secure the bottles in any



THE PORTER BOTTLE FEAT.

way; if the mule places his foot squarely on the top, as he should be made to do, there is no danger of either breaking or upsetting them.

There is a trick related of a couple of English costermongers, or perambulating vegetable dealers, which is amusing if not of practical value. These two worthies were in the habit of passing their donkey through a Devonshire toll gate, on their return trip, free of charge, by making him walk through on his hind legs, arm in arm with them, and taking advantage of the twilight to represent him as a friend slightly under the influence of liquor!

At the south, where mules are almost universally used for many purposes for which horses are used at the north, the negroes are in the habit of directing their movements in many cases entirely by the voice. The animals of that section being as a rule more gently treated, are of a better disposition than their northern brethren. The course of training practiced by their sable masters is by no means systematic, but the animals manage by some means to learn to understand and obey the far from lucid commands. We have often been surprised to see how readily the mules would detect the meaning of what, to our ears, was entirely unintelligible. Probably practice had taught them what was required just as the mules which convey travelers through the wild mountain passes of Spain are

reported to stop immediately upon hearing the hail of any of the banditti who infest those regions—habitual experience of the customs of those gentry having taught them to come to a stand still.

There is an amusing, though, possibly, not strictly authentic, story told in connection with the performance of the pantomime of Humpty Dumpty, some years ago, in this city. In this spectacle a small mule was made to appear quite comically by the dexterity of his heels. During the season the regular animal fell ill, and an amateur was substituted. When one of the characters touched the new mule to make him kick, he began in admirable style. He kicked off the fellow and kicked him twice before he touched the boards. Then he ran toward several of the other dramatis personæ, and kicked them. Every movable object on the stage, animate or inanimate, he kicked off. Next he began on the scenery. He kicked down a whole forest, three good sized cottages, a picturesque cascade, a granite prison, a robber's cave, a royal palace, the Rialto and Vesuvius in eruption, and was about to attack the grand transformation scene from Midsummer Night's Dream, when a rope was thrown around his neck, and he was dragged off by the whole strength of the company, assisted by all the able bodied supernumeraries. The audience, many of whom supposed the obstreperous mule part of the performance, were delighted at his energy, and demanded with deafening plaudits, a repetition of the scene. The uproar was so great that the manager came out and said that an intermission of fifteen minutes would be given to enable some of the actors to recover the breath that the active mule had kicked out of them, and pledged his honor that the brute should never make another appearance on the Olympic stage. At this the audience roared louder than ever, and for nearly half an hour the performance was suspended by the universal guffaw. Every night afterward while the piece ran, the kicking mule was called for, and the manager of the theater it is said, in consequence, had to insert an advertisement in the daily papers, stating that the animal was mysteriously knocked in the head the same night of his highly successful débüt.



CHAPTER VII.

SOME HINTS FOR FARMERS—MANAGEMENT AND TRAINING OF ANIMALS ON THE FARM—SOME EVILS AND HOW TO REMEDY THEM—GOOD TRAINING VS. BAD.

FARMERS would find it of great advantage to pay more attention to the education of their domestic animals. Many things may be taught them without any appreciable trouble, which will prove not only convenient, but profitable in the saving of time and labor that may be effected. For instance, any animal on the farm may be taught to come on being called, instead of requiring to be hunted for and chased home whenever wanted. All that is necessary is to give him some dainty as a reward, each time, and the thing will be accomplished almost before you are aware of it. By giving each animal a particular name and calling him by that, you teach each individual to come to you when wanted, and if you reward only the one you call, the others will soon learn to come only when desired. This custom is observed with the sheep in Greece; the shepherd has only to call any one he wants, and the animal will instantly leave its pasture and its companions and run to the hand of the shepherd, with every token of pleasure. Those which have not learned their name are called "wild," while the others are termed "tame."

Animals cannot associate with man without learning *something*. Many of those habits and tricks which farmers deplore in their stock, are due to the *unintentional* training that has been given the animals. If your stock run from you, appear to dread your presence and can never be made to stand quietly, perhaps this state of things may be accounted for if you reply candidly to the question whether they have not been accustomed to tormenting or annoyance, and so taught to be wild. No wonder there is complaint of cows being unquiet, when the habit is so general of pelting them with stones, or punching them with sticks, while driving home to milk.

How often instead of attempting to teach the animals proper behavior do we see an apparently contrary course adopted? The "American Stock Journal" has some sensible remarks on this subject:

"We find many persons, when turning stock into or out of pasture, instead of letting down all the bars, leaving two or three of the lower rails in their place; and then, by shouting or beating, perhaps, force the animals to leap over. This is capi-

tal training, the results of which are seen in the after disposition of animals to try their powers of jumping where a top rail happens to be off, and this accomplished, to set all fences at defiance, and make a descent upon the corn or grain field, as their inclination, ability or hunger may prompt them. Another good lesson is to open a gate but a little way, and then, as in the case of the bars, force the cattle forward, and by threats and blows compel them to pass through it. The result of this teaching is shown in the determined spirit manifested by some cattle to make a forcible entry into the stable, yards, fields, or in fact, to almost every place where a gate or door may, by accident, be left slightly open. A western farmer says he makes it a rule whenever cattle are made to pass a fence, whether through bars or 'slipgap,' to leave one rail for them to pass under. This gives them a downward tendency, and lessens their inclination to jump or look upward, as they are sure to do when a lazy attendant throws down a part of the rails, and makes them vault the rest. Cattle may be taught to go over any fence by the careful training they often get for this end, performed as follows: First, starve them or give them poor feed, which will make them light and restless. As soon as they go over the lowest part of the fence after better provender, make them jump back again, and put on one more rail, saying, 'I guess that will keep them out.' Next day, (of course they will be in mischief again) repeat the process, adding another rail; in a short time they will take care of themselves, and harvest the crops without charge."

That gentleness and good treatment will subdue even naturally unamiable dispositions in animals, is shown by the example of the bulls intended for the bull fights at Havre during the marine exhibition in 1868. The bulls, selected for their ferocity on the plains of the Guadalquivir, were so kindly treated by the railway servants during their journey across Spain and France, that, on arriving at their destination, they had become perfectly tame and could not be induced to fight. The sight-seers were obliged to solace themselves with a regatta in lieu of their anticipated combat.

It may be interesting here to refer briefly to the proper management of bulls. There has been some discussion as to whether or not it is advisable to use bulls for purposes of draught. The advocates of the plan consider that a bull should do *some* labor and that exercise would be beneficial. The opponents say that the main object of keeping bulls is to breed, and that exhaustive labor would impair the vigor of the descendants. Though the latter is probably the true case bulls should

be exercised in the open air if it is desired to keep them in health and vigor. They should always have a ring inserted through the nose that they may be held in control, but they should never be tied up by anything attached to this ring. Always use a rope tied around the horns; a sudden jerk is very apt to tear the ring from the nose. Never fool with bulls, and beware of trusting yourself in their power. They are subject to sudden fits of fierceness, when any defenceless person is liable to be horribly destroyed.

One of the most important duties on the farm is the breaking of steers. It is best to begin with them as calves, and let the boys play with them, and drive them tied or yoked together, taking care they are not abused. When a pair of old steers are to be put together and broken to the yoke, or a pair of bulls, as not unfrequently happens, it is usually best to yoke them, and tie their tails together, in an extempore stall, in a well fenced yard, and then turn them loose in the yard, which should not be large enough for them to run in and get under much headway. If the tails are not tied together they will frequently turn the yoke, which is a very bad habit. After half a day's association, the lesson of "gee up!" and "whoa!" may be inculcated—and when well learned, probably the next day, "haw" and "gee." The daily lesson should be given after they have stood yoked a while. They should not be taken from the yard until they have become used to the yoke, and are no longer wild and scary, as they are apt to be at first. Each day all previous lessons should be repeated. Put them before an ox-sled or a pair of cart wheels at first, rather than to a stone boat, as they are apt to step on the chain, and that frightens them. All treatment should be firm but mild, and no superfluous words should be employed.

As regards training heifers, a Pennsylvania farmer who has trained and milked heifers for more than fifty years, and never has any trouble about their jumping, kicking, or running, gives the following as his secret: "When I intend to raise a heifer calf for a milch cow, I always raise it by hand, and when feeding, frequently handle it by rubbing it gently over the head and neck until it becomes tame and gentle. The rubbing is begun at the first feeding with milk, and continued until I quit feeding it; I never afterward have any trouble about milking them."



CHAPTER VIII.

DOGS IN GENERAL—WATCH DOGS—THE SHEPHERD'S DOG.

A MONG all the animals the dog seems preëminently intended by nature for the companion and friend of man. Even the instinctive passions all animals have for their own kind appear to be in a measure sacrificed to human influence, for the dogs often care more for the society of man than for that of their own kind. Not only is the dog a trusty and valuable friend and associate of man, but the companionship between the human and the canine races develops in the latter many of those noble qualities not possessed under other circumstances. The Turks look upon the dog with abhorrence, and almost universally in the East he is an outcast from human society. The consequence is that all his good qualities are lost; he is no longer the faithful companion, ready to defend his master with his life, but on the contrary, he is deceitful, bloodthirsty, and as unlike the more favored dog of other countries as it is possible to imagine.

WATCH DOGS.

Many kinds of dogs are used as watch dogs, and where all that is required of them is a notification of nightly intruders, and the awakening of the household, perhaps the species used is of comparatively little consequence. Where the dog is intended to act as a defender as well as a sentinel, strength and courage are important requisites. With many the bull dog is a favorite for this purpose. Though the least intelligent of his species his unflinching and unconquerable courage renders him a terrible opponent. So utterly without intellect is his courage, however, that no consideration of his foe's powers deters him from attacking the most formidable thing that gives offense. Striking examples of this quality are displayed in England in what are termed "bull baits," exhibitions whose cruelty and brutality are scarcely excelled in the customs of any other country. In these bull baits the dog, while fastened to the nose of some unfortunate bull, has had one leg after another cut off with a knife to test his courage. So persistent is the dog in maintaining his hold that the most frightful mutilation will not compel him to relinquish it until his strength is exhausted from loss of blood; he has been known to die from this inhuman hacking with his death grip firmly holding the bull.

Probably the best watch dog is the mastiff. Capable of

great attachment to his master, he unites strength with intelligence, and, while implacable toward intruders, toward members of his master's family he is docile and gentle. His hearing is remarkably acute, for he can detect the difference between a familiar and a strange footstep, however light it may be.

THE SHEPHERD'S DOG.

The rapid increase in the importance of sheep husbandry in this country will soon direct attention to the value of proper dogs for assisting in their management and protection. There are several different breeds used for this purpose, varying in different countries with their several local requirements. In Spain the Pyrenean, or St. Bernard's dogs, are found valuable to accompany the large merino flocks on their annual migrations to the mountains, as a protection against the wolves infesting the Pyrenees. In Spain, too, the mastiff is highly prized, an improved, large breed, with strong feet, short hair and slightly pointed nose, being much in use.

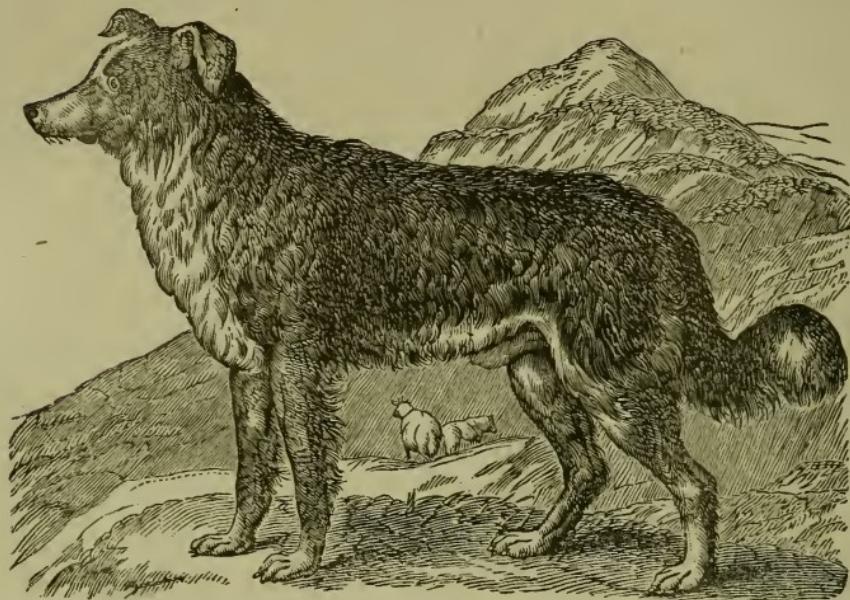
A gentleman of Delaware gave, some years ago, the following account of a shepherd's dog of the Spanish breed in his possession :

"The dog is three times as large as the shepherd's dog described by Buffon, but is endowed with the same good qualities : immense strength and great mildness in his usual deportment, though ferocious toward other dogs. I can say, without exaggeration, that at least twenty dogs have been killed in my barnyard, or on my farm, by my dog Montague. His dimensions are three feet eleven inches from his eyes to the root of his tail, and two feet eight inches high over the shoulders. He is a fine animal, *entirely white*. I prefer that color in recollection of the story of old Jacob. In fact, I had formerly a black dog, and many of my lambs were born black. Since I have had Montague and his mother I have very few black lambs. The natural instinct of this animal is to guard your sheep against wolves and dogs. No other training is required, but to keep them constantly with your flock, the moment they are from the litter, until they are grown."

What is commonly known as the shepherd's dog is a smaller breed, seldom more than two feet high. Those in France are usually black with white touches on breast, face, legs, etc.; with sharp head and nose, and with a countenance full of alertness and intelligence. In Great Britain, particularly in Scotland, the colors of the shepherd's dog are more mixed with shades of red and brown; or black dogs with sharp ears, turning down at the tips. The Scotch breed, or colley, is a light and active one,

probably the best adapted for those portions of our own country where there is no danger from wild animals. It is pretty extensively diffused in the United States and British America, and is very useful to the farmer, shepherd or drover.

The Mexican shepherd's dog is doubtless a descendant of the



SCOTCH COLLEY, OR SHEPHERD'S DOG.

Spanish ones introduced at the time of the conquest, and is a marvel of fidelity and intelligence. In training these dogs the method is to select from a multitude of pups a few of the healthiest and finest looking, and to put them to a sucking ewe, first depriving her of her own lamb. By force, as well as from a natural desire she has to be relieved of the contents of her udder, she soon learns to look upon the little interlopers with all the affection she would manifest for her own natural offspring. For the first few days the pups are kept in the hut, the ewe suckling them morning and evening only; but gradually, as she becomes accustomed to their sight, she is allowed to run in a small enclosure with them, until she becomes so perfectly familiar with their appearance as to take entire charge of them. After this they are folded with the whole flock for a fortnight or so; they then run about during the day with the flock, which after a while becomes so accustomed to them, as to be able to distinguish them from other dogs—even from those of the same litter which have not been nursed among them. The shepherds usually allow the slut to keep one of a litter for her own particular

benefit; the balance are generally destroyed. After the pups are weaned, they never leave the particular drove among which they have been reared. Not even the voice of their master can entice them beyond sight of their flock; nor can hunger or thirst.

A remarkable example of the intelligence of these dogs is displayed when two flocks approach within a few yards of each other; their respective protectors will place themselves in the space between them, and as is very naturally the case, if any adventurous sheep should endeavor to cross over to visit her neighbors, her dog protector kindly but firmly leads her back, and as it sometimes happens, it may make a rush and succeed in joining the other flock, the dogs under whose charge they are go over and bring them all out, but strange to say, under such circumstances they *are never opposed by the other dogs*. They approach the strange sheep only to prevent their own from leaving the flock, though they offer no assistance in expelling the other sheep. But they *never permit* sheep not under canine protection, nor dogs not in charge of sheep, to approach them. Even the same dogs which are so freely permitted to enter their flocks in search of their own are driven away with ignominy if they presume to approach them without that laudable object in view.

The English sheep dog, or drover's dog, is a *tailless* animal, larger, coarser, and stronger than the colley. It is very easily trained and is very well adapted for working among cattle, keeping the herd from straggling when on the road or the prairie, and acting as an aid to the farmer in the management of his flocks and herds. One of this breed was used by an American farmer to drive home his cows. It was only necessary to tell him it was time to bring the cows, and he would scour the farm and bring them from all parts safely into the yard. On the prairies such dogs would be of great use.

A careful, well tempered shepherd never allows his dog to harass or worry the sheep. He walks his regular rounds quietly, the dog following at his heels, appearing to take no notice of the sheep, and they almost unconscious of his presence. Should anything occur in which the aid of the dog is needed, he is at hand to perform the will of his master. If the sheep break through a fence into forbidden ground, one word from the shepherd is enough, the dog drives them back without causing much alarm. If a sheep breaks away from the flock, the dog is not allowed to bite it; he is taught to run before it and bark, in order to drive it back to its place.

A dog which has been properly trained will be continually on

the look out for stray sheep, and will, of his own accord, visit those parts of the pastures where the fences are weakest, and where ditches or ravines exist, into which the sheep may be in danger of falling. Heavy sheep, with large fleeces, will sometimes lie on their backs for a whole day or night, being unable to get up. When in this position, instances have occurred of their eyes being picked out either by ravens or carrion crows. They are all subject to the attacks of dogs and foxes. A well trained shepherd's dog will find sheep that are in this position, and attract attention to them.

Well trained dogs will not annoy ewes with lambs, nor show any signs of irritation when assaulted by the ewe for the protection of her young. They keep at a respectable distance from quarrelsome rams, not considering it to be any part of their business to fight with them. They are very watchful at night, especially during the lambing season, guarding the lambs from the attacks of foxes and dogs and all other intruders.

In training a young shepherd's dog, the services of a well trained, experienced dog will be almost indispensable. The ardent temperament of the young dog must be subdued, and there is no better mode of doing so than by compelling him to accompany a well trained dog and imitate his actions. A long line in the hands of the trainer, attached to a collar or belt on the neck of the young dog is generally necessary in the training process. With the aid of this contrivance the dog may be perfectly subdued, and made to obey all the commands of the trainer. He can be taught to "go away," "come back," "come in front," "come behind," "bark," "lie down," "be quiet," "get over the fence," "stop them," "bring them back," and every other evolution in the field exercise of the sheep dog. The training should commence when the pup is five or six months old. The older the animal is, the more difficult will it be to train him.

The shepherd's dog of any of the breeds we have mentioned, has a natural inclination for working among sheep, but he may be spoiled by improper management, and then he becomes an enemy to the flock instead of a protector. A cross between the mastiff, bull dog or cur, and the shepherd's dog, produces a mongrel which has an insatiate thirst for the blood of the sheep, and can scarcely be restrained from destroying them. The shepherd's dog should be full blood, anything less is worse than useless. Dogs even of the best breeds may be spoiled by neglect or mismanagement in the training. The shepherd must himself treat the sheep with gentleness if he desires the dog to do so; the dog will act as his master does.

CHAPTER IX.

SPORTING DOGS AND THEIR MANAGEMENT AND TRAINING.

THE pointer and the setter are the two universally recognized dogs for hunting game birds. As to which of the two is the better variety authorities differ, and much depends upon circumstances. For hot climates the pointer has more endurance than the setter, but he is also more tender and would suffer in a cold climate. Pointers do not require so careful training, and with sportsmen who are, as is the case with many, loose in their manner of training, a pointer will be a passably well behaved dog where, with the same laxity, a setter would be utterly worthless. As the value of a dog in hunting depends in such a great degree upon his proper understanding of the work in hand, and his prompt and faithful execution of the duties incumbent upon him, too much pains cannot be taken with his training."

PRELIMINARY TRAINING.

The education of sporting dogs should begin in earliest puppyhood. Unless they are early taught obedience, it will be difficult to overcome this neglect by after training. His first lesson may be given with the aid of a piece of beef placed before him on a plate. Naturally he will evince an eagerness to obtain it. Prevent his doing so, by gently tapping him upon the head, at the same time cry, "toho!" By repeating this word each time you check his eagerness, he is taught to associate the slap with the word and to stop when the word is used. This makes the "point." In a few moments after you must cry, "hie on," and allow him to seize the meat. "Steady" is the next lesson, and consists in allowing him slowly to approach the plate as you keep repeating the word at short intervals. When near the plate cry, "toho," and never allow him to reach the meat until you give the command, "hie on!" When you wish him to break his point but not to "pitch in" to the meat, the command, "close on" should be used. Before he reaches the plate, cry, "toho," and then, "hie on;" when he has pointed, by "close on" he must understand that he is to move cautiously, and this he is taught by the oft repeated command of "steady." All these commands may be taught with patience, and patience is absolutely necessary. No harshness should be used, and no new lesson should be attempted until the old one is fully mastered. You should always feed the dog yourself.

When the preceding lessons are thoroughly acquired,

"charge" may be taught. Gently force him down as you give the command, extend his fore paws and gently place his head between them. Each time he moves, tap him lightly and repeat the command. No more force should be used than is absolutely requisite. Practice him frequently by crying, "charge—charge," with your hand upraised, and forcing him into the desired position. To make him rise, you should cry, "hie up," and gently raise him. Repeat these instructions until they are fully understood and readily obeyed, doing a little each day, but doing that thoroughly.

To retrieve is the next lesson to be taught. An old glove or other soft substance should be used, and after allowing the pup to play with it, toss it from you and he will rush to get it. Call him to you after he has got it, and take it from him, rewarding him with caresses and kind words. Repeat this plan using the command, "hie fetch," when you wish him to go, and "come in," when you wish him to return. By using the command, "come in," on all occasions when he is a little distance from you—when you call him to feed him—etc., he will learn to obey it. Hooper in his excellent work* gives the following directions for teaching a dog to retrieve: "Begin by placing your glove within his mouth, making him retain it; if he rejects it, replace it, gently correcting him, crying, 'fetch! fetch!' After he understands the meaning of the word *fetch* you may let him accompany you in a walk, in some quiet place. Whenever he drops the glove you must gently and encouragingly replace it, crying, 'fetch! fetch!' If he rejects it the lash must be used, but sparingly. If you study the disposition of your dog and manage properly, he will soon perfectly understand you, and gaily and happily gambol alongside of you, seldom dropping his charge, and if he should, he will only need the words, 'hie fetch! fetch!' to make him bound back with eagerness to regain the lost glove. You may now take the glove, cast it from you, and tell him to 'hie, fetch!' He will immediately return with the glove. You may now let him see you drop the glove, walk off thirty or forty yards, wave your hand in the direction of the glove, and cry, 'hie, fetch!' He will of course regain the glove. After practising him at this often, you may drop the glove unobserved by him. He will soon follow your track for a considerable distance for a lost article, by receiving the command, 'hie, fetch!' You may now give the glove to another person to hide, first permitting the dog to see it in his possession, and he will be almost certain to find it, if it is at all

*DOG AND GUN.—Price thirty cents, post paid. An interesting and useful work for every amateur sportsman.

accessible. In your first lessons be careful to place the glove where your dog will be certain to find it—not too far off."

He should also be taught to follow closely on at the sportsman's heel when they are out together; this may be done by saying, "back, back!" and striking him gently with the whip when he attempts to press forward. Any hunting dog may be



THE SETTER.

taught to retrieve notwithstanding the complaints some sportsmen make to the contrary. Great patience is required to teach the dog, but the result of careful training amply compensates for the trouble. Hooper recommends that, after the dog has learned the preceding lessons, he be made to practice them often, playing with a ball.

LESSONS IN THE FIELD.

After the dog has been thoroughly drilled in the preliminary exercises we have described, it will be necessary to teach him their practical application. Much of the future value and usefulness of the dog depends upon his first day's shooting and the manner in which he is initiated into the sport. We again avail ourselves of Mr. Hooper's instructions for managing him the first day he is taken out:

"When you observe Dash more excited than usual, you may reasonably expect a bevy near. They will not probably be far off, as he has not become accustomed to the familiar and welcome scent that will enable him to wind them at a distance. Now comes the trying hour for master and pupil. The former should be perfectly cool, and should consider the killing of game a secondary affair—let him give his attention to Dash. The dog seems too eager for the scent—you cry 'steady! steady!'—if he is apparently near the game, and you are afraid he will flush, you cry 'toho!' You approach and find the quail do not raise—you tell him to close on, which he does by moving rather rapidly—you check him by crying 'steady! steady!' he points, 'toho!' You now approach and flush the bevy; be sure you bring down one bird, and it will be well that you only fire one barrel, that you may have more time to look after Dash, who of course scampers after the whirring bevy. You immediately cry 'toho! come in!'—on, on he goes; in his wild excitement he disregards your will entirely. You now use your whistle. By this time the birds are out of sight (but you, of course, have marked them), and he is running helter skelter. You must soon get hold of his collar, drag him rather roughly back to where he pointed—lapping him slightly—and make him 'charge,' and keep his position until you reload; after which you will take him to where your bird has fallen—indicate the place with your hand, crying 'hie, fetch! fetch! fetch!' From his previous lessons he will know that you wish him to look for something, and his nose will soon tell him what it is. Do not let him mouth or toy with it, or he will soon get in the habit of roughly mouthing your game, than which I scarcely know a worse habit.

"You may now rest for a short time, that the bevy may get over their fright; after which they will be more easily found, for if they have been very much frightened, they will not give out sufficient odor to enable your pupil to point well, and he may consequently flush them, thereby doing great harm. You cannot do better than to spend your time in repeating your house training with the dead quail: casting it from you, telling him to 'close on! steady! charge! hie on! fetch!' Cast it some distance unobserved—waft your hand in the proper direction, and tell him 'hie, fetch! fetch! fetch!' After a short time has elapsed, you may take Dash to where you have marked the birds. When near the birds, keep Dash near you, that he may be the more easily controlled. If he seem too eager he only needs the command of 'steady!' to control him. Let the command be in rather an undertone—never get into the snobbish habit of

bawling at your dog. Apart from its being an ungentlemanly habit, it frightens the quail more or less, and they will not lie so well to the dog. Ha! but Dash has *come* down to a point most beautifully, ‘toho!’ You carefully approach, flush and shoot the bird, and immediately give your attention to the dog, crying ‘charge!’ in a strong and emphatic tone; if he breaks, get hold of his collar as soon as possible and lash him, and at the same time drag him to his ‘point’ and make him ‘charge’ and keep his position until you reload. You then cry ‘hie up,’ make friends with him, and cast him off—he soon points again. You manage to get very near the dog, and when you fire, immediately cry ‘charge!’ and it would be well to accompany ‘the word with a blow,’ at this juncture. You make him charge, reload, cry ‘hie up,’ indicate the point where the bird has fallen, and command him to ‘hie fetch!’ You cast him off again, and always manage to control him after you fire—*never, never* suffering him to break shot without feeling the lash. Remember this is the most critical time for yourself and dog. Never suffer yourself to become excited; do not for some time fire more than one barrel, that you may sooner give your attention to Dash, and you will accomplish much if you can be near enough to Dash to give him the lash as he first springs from the point, at the same time crying ‘charge!’ If you do not suffer yourself to become excited, and lose sight of your dog after your shot, you will soon have him drop at the report of the gun; but rest assured, if you let him have his own way a few times, in your eagerness to secure game, you will rue it for many a day to come. You cannot have this fact too strongly impressed upon yourself. If you control him *from the first*, your object will be attained. If Dash evinces unusual perverseness in this, it will be well to make him ‘charge’ while on a ‘point.’ Even should he see a dead bird fall, he should not retrieve without permission.”

It is a maxim in hunting never to allow a dog to run ahead of another in a point, but either to make him back, or come in to heel. Besides the danger of flushing your game, it would be permitting an unfair advantage to be taken of the dog doing his duty in the lead, of both which a dog of nice sensibility will show himself to be conscious. It happened, some years since, that a party was out, near Old Point Comfort in Virginia, with a fine pointer belonging to Mr. A—. A small terrier had accompanied them, and whenever the pointer would take his stand, the terrier would rush by him, and put up the birds. Repeating this vexatious, ungentlemanly conduct several times, the pointer was seen to grow impatient. At last having found

another bevy, as the terrier attempted to pass him, the pointer seized him, and placing his fore paws on him, held him fast, growling to keep him quiet, and maintaining his point until the sportsmen came up.

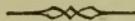
WATER DOGS.

The Newfoundland is unquestionably the water dog par excellence, and probably the best individuals of the variety are the celebrated dogs used for duck shooting on the margin of Chesapeake Bay and commonly called the Chesapeake Bay Water Dog. These animals being derived from ancestors of pure breed, and the constant training from generation to generation having caused the transmission of their excellent qualities in increased measure to each successive generation, are probably unrivalled by any other in their particular forte. Owing to thoughtless and injudicious mixing of breeds a true Newfoundland is rarely seen. Although the purer the breed the better water dog he will be, yet many dogs of mixed breeds possessing considerable Newfoundland blood, make excellent dogs for ordinary aquatic sporting.

On breeding the water dog little need be said, for, like Dogberry's reading and writing, his education "comes by nature." In his infancy he may be taught to bring a glove and lay it down at your feet as he should do; and, by practice, the comprehension and fulfillment of his various duties will soon follow. He will be found, with judicious encouragement and exercise of authority, more docile than a child. They have been known at four months old to fetch a duck, but lest the constitution be impaired, they should not be put too early at hard service.

"Canton," a celebrated Newfoundland, owned by Dr. Stewart, of Sparrow's Point—a great sportsman in his day—was noted for a number of remarkable feats in securing "canvas backs" on the Chesapeake. She surpassed her species generally in unrivaled devotion to the water, and to the sport of ducking, as carried on by the doctor's colored man, Varnell, with his murderous swivel gun. Her patience and endurance were almost incredible. She was the heroine of many desperate encounters with wounded swans, often pursuing them for miles, and many were her exploits among rotten and floating ice, in pursuit of wounded ducks, sometimes, in fogs and darkness. On one occasion she brought out twenty-two or twenty-three ducks, all killed or wounded by Varnell at a single shot. A good deal of time was lost in pursuing these wounded ducks, and at the close of this pursuit, it being then dark, Varnell give up the slut as lost, so many hours had she been engaged in bring-

ing out her game; but after Varnell had sorrowfully turned his face homeward, she overtook him with one or two ducks in her mouth; and the old doctor stated that he remembered Varnell saying that at one time, when she was most fatigued, she climbed on a cake of floating ice, and after resting herself on it, renewed the pursuit of the ducks.



CHAPTER X.

ORDINARY TRICKS PERFORMED BY DOGS.

EVERY dog who has the good or ill fortune to be a member of civilized society is usually fated to undergo a more or less systematic education "in the way he should go." This education may be either in the primitive style illustrated by the administration of a vigorous kick accompanying the command "get out," to teach the dog to leave you, or the more elaborate training which culminates in the production of a canine prodigy. The capacity for education in dogs varies much with different varieties, and even with individuals of the same variety. While some are taught with the greatest difficulty, others display a wonderful aptitude for learning, and acquire a proficiency which is often really surprising. Whether it is proposed to educate the animal as much as his capacity will admit of, or merely to teach him the things necessary for common convenience, the first thing is

TO TEACH HIM HIS NAME.

If a dog has any particular name by which he is usually addressed, he will in time learn to answer to it. With a little system, however, he will learn much sooner than otherwise, and where there are several dogs it is a good plan to make each know his own distinctive title thoroughly, and to respond promptly to it. This will render your intercourse with, and your management of them, both easier and pleasanter. It may be accomplished by a very simple process. When you feed them, call each one by name to his food. If any of the others come forward, send them back. By dividing the food into small morsels and calling each dog in turn to receive his piece, always insisting that *he* and no other shall receive it, considerable of a lesson may be derived from each meal. When convenient take

them out to walk, being careful to provide yourself with a few crackers or a piece of bread. Allow the dogs to ramble about at their pleasure, and whenever you choose call some particular one by his name; when he comes to you reward him with a piece of cracker. By-and-by call some other one, and continue the plan at your discretion. At the end of ten or a dozen lessons they will have pretty well learned their names, and come at your call. If you have only one dog, the plan would be about the same.

TO LEAP.

This is very a simple trick and easily taught. A line or pole may be extended from any convenient supports, just so high that the dog cannot *step* over. Take your station on one side of this barrier with a supply of bread or cracker. By the offer of a small piece induce him to approach as near as possible to the line or pole, keeping the tid-bit close to his nose, but raised a trifle above it. Now, with a sudden movement, extend your hand beyond the barrier, crying at the same moment, "hip," or any other quick, inspiring exclamation. Eager to get the tempting morsel he will leap over, and the same proceeding may be repeated once or twice, when he should be rewarded with the bait he has been striving for. After a few repetitions he will probably leap over at a motion of the hand and the word of command. He should always be rewarded for obeying, and it is well to have a light switch with which to give him a gentle cut should he attempt to run under, which he should never be permitted to do. The hight of the barrier may be increased gradually from day to day, taking care never to over-task his powers. With practice many dogs acquire the ability of making very creditable leaps. We had an old dog who had been attached to a circus in his youth, and had been rather "fast" in his proclivities. Not being content to settle down to the quiet peacefulness of a back-yard existence, which he probably considered rather slow, he was in the habit of leaping over a fence at least ten feet high and plentifully studded with spikes, that he might indulge in a nightly canine spree with other festive dogs of his acquaintance.

When the dog leaps readily over a bar, a hoop may be held in the hand and the same system pursued. The hoop may be gradually lessened in size until the dog finally leaps through one hardly bigger around than his own body, but to do this the trainer must display some skill in conforming the motions of the hoop to those of the dog as he passes through.

TO WALK ERECT.

Hold a bone or other like temptation a little above the dog's nose, but not so high as to lead him to jump to get it. As he reaches for it raise it so as to induce him to rise up on his hind feet, saying as you do so, "up, up!" When he reaches the proper stand-point, let him remain there a moment or two and then let him have the bone. Soon he will stand up on your merely holding your hand in the position described and saying, "up, up." Then he may be taught to walk in this position by



WALKING ERECT.

slowly moving the bone or your hand slightly in advance. These exercises should not be tediously prolonged, especially at first, for the position is an unnatural and very fatiguing one to the animal. After he thoroughly understands what is required of him you may check any attempt he may make to regain his natural position before you are willing, by a gentle tap under the chin or under the fore paws.

TO DANCE.

A dog is generally considered sufficiently accomplished in this "graceful and agreeable art" when he has learned to hop around on his hind legs, and to keep turning completely around at short intervals. There are several modes of arriving at this result, the most simple of which is, probably, to take a long

switch, after the dog has learned to stand erect, and to this switch attach a piece of meat. With this you can trace out in the air, in tempting proximity to his nose, the figures you wish him to take, and you may depend upon his instinct leading him to follow the motions of the switch. This may seem rather an absurd plan for initiating your pupil into the mysteries of the ball-room, but it is nevertheless one of the most effective that can be devised. The dog should be rewarded with the meat after he has danced enough to fairly earn it, and after a few lessons the switch may be used without any bait attached. He will at first follow its motions in the hope that there *is* something attached, and if he be rewarded for doing so, he will soon comprehend that following the switch means meat by-and-by. If he is dressed up in feminine apparel, as is generally done at public exhibitions, the absurd figure he cuts, and the ridiculous caricature of a lady "tripping the light fantastic toe" which he presents, is extremely laughable.

TO JUMP ROPE.

After the dog has learned to leap at your command a light rope may be substituted for the pole, one end of the rope being attached to some stationary object while the other end is held in your hand. Exercise the dog a few times at leaping the rope while it is without motion, and near the ground, using the command "hip," or whatever one he has been trained to leap with, each time. Then give the rope a slight motion and at the proper moment give the dog the usual command and he will obey it. By increasing the motion very gradually he will, after many lessons, be able to jump rope very creditably. He may be taught either to jump while standing on his full complement of legs, or in the perpendicular fashion.

TO SIT AND LIE DOWN.

It is one thing to have your dog do a thing at his own convenience and of his own free will, and quite another thing to have him perform the same action at your desire, especially if he had a little rather not do it. This applies particularly to sitting or lying down, for it usually happens that when you desire him to do so he feels least inclined; but it is the trainer's business to bend the animal's will to his own, and in this case it may be done thus: Taking your position with the dog in front of you, raise one hand over his head and make a motion with it as though about to strike him on the top of his head with your palm; as you do so repeat the word "down" distinctly and commandingly, with each motion of the hand. This should not

be done as a menace, but to indicate your wishes. While you do this, press firmly with your other hand upon his back, just over the hips,—this pressure will assist in making him take the desired position. When he has done so he should be patted and made to understand that he has done right. Repeat until he obeys the command readily, and then teach him to *lie* down, which consists in forcing him into a recumbent posture, as you command him to “*lie* down!”

TO BEG.

After the dog has learned to stand erect he may easily be taught to beg. All that is requisite is to press him down in the desired position ; if he attempts to leave it a gentle tap on the head with the switch will be sufficient to control him. He may, if preferred, be taught to beg without learning to stand erect ; in this case he may be made to sit down and then, pressing his haunches down to prevent his rising to his feet, tap him under the chin till he takes the right position. Repetition is of course necessary until he learns what is desired, and each time you place him in position it is well to say “beg” two or three times so he may associate the word with the act. Dogs, like many of the human race, after they have “got the hang of it,” will beg persistently for the sake of an occasional trifling reward.

TO GIVE HIS PAW.

There is scarcely a boy’s pet dog who has not acquired this very simple trick, though his master probably would not recollect how it was taught. Perhaps it was the dog’s sociable feelings that led him to perform the kindly ceremony of “shaking hands,” or perhaps it was due to the instinctive good breeding which is sometimes accredited to some people — and why not also to some dogs ? Whether politeness is a grace which adorns the canine character, however, is a question we hardly feel prepared to discuss, and it is much more probable that Master Harry, (or James, or whatever his name may be), with no special thought in regard to the matter, hit upon the secret which underlies all animal training—compelling obedience to a command until the command is obeyed without compulsion. What was more natural for our friend Harry, when he first gave the momentous command of “paw,” and Carlo utterly in the dark as to its signification, taking no notice of it—than to grip Carlo’s fore “limb” and give it a shake ? Nothing in the world more natural. This is probably repeated at odd times until Carlo learns to give his paw when Harry says “paw,” or holds out *his* paw.

If the same paw is always given, as it will be if during the training that one be always taken, the dog may be taught to offer the other one when you ask for the "other paw," by merely taking it a few times when you make the request. By using "paw" for one and "other paw" for the other—"paw" first—the dog will seldom get them confused. It is preferable and makes the performance seem better, while it is really no more difficult, if the words "right" and "left" are used in connection with the commands. It is just as easy for a dog to learn the difference between "right paw" and "left paw," as between "paw" and "other paw." It is well to lay extra stress upon "right" and "left" while training, and these words should be pronounced very distinctly. Should the dog offer the wrong paw merely repeat your former command until he changes it, then take it in your hand, call him "good dog," and pat his head to let him know he has done right.

A little boy of our acquaintance had a very handsome Newfoundland dog, and having often heard the family physician desire members of the family to let him feel their pulse, he thought it would be a capital idea, and having coaxed the cook to give him some choice bits of beef-steak, he commenced practice. "Let me feel your pulse, Bruno," says he, and taking Bruno's paw in his fingers he imitated the doctor with a comical childish assumption of professional gravity. He scarcely intended, when he commenced, to make Bruno *offer* his pulse for examination at his desire, but Bruno was an intelligent dog and the beef-steak was very good, and before long he would stick his paw out as nicely as could be desired. Our little friend delighted with the result of his efforts, lost no opportunity of showing off Bruno's accomplishment, and the dog was continually holding out his "pulse" for the examination of visitors. The doctor calling some time after was somewhat amused at our little friend's request to Bruno to "let the doctor feel your pulse," and Bruno's ready compliance therewith.

We had a half-grown puppy of one of the larger breeds some years since, which by constant training became so used to offering his paw that he would do so to visitors or others without being ordered to. One day a strange cat intruded upon the premises, and puppy made a rush at it with every token of hostility. When near it, however, habit appeared to gain a mastery, for he held out his paw as usual. The cat being irritated by his previous threatening aspect merely struck at him with her claws, inflicting quite a severe scratch, whereupon puppy, perceiving politeness to be at a discount, pitched in and routed the enemy gallantly.

TO SNEEZE.

On a recent visit to a friend we came across a dog who would sneeze in a most natural manner whenever his master said, "Sneeze, Zip." This being the only example of a dog performing this trick which we had ever seen we desired our friend to give us some particulars of the manner of teaching the trick, which he obligingly did, to this effect: "One afternoon, having nothing more important to do, I was amusing myself by bothering Zip with a long feather which I poked in his face, to induce him to snap at it. While doing this I by chance tickled his nose, he immediately commenced sneezing. Once commenced, it seemed as though he would never stop, and I said, rather sarcastically, 'Sneeze, Zip.' I don't suppose my words had any effect, but he certainly did sneeze; this gave me the idea of teaching him to repeat it at my bidding. Armed with my feather I commenced operations; tickling his nose gently each time I repeated the command. He didn't like the feather very well, and by-and-by, as though his imagination foreshadowed its effects, he would sneeze on having it pointed in close proximity to his nose. At odd times when I had a little idle time on my hands, I repeated the exercise, and the dog in a few weeks would sneeze very creditably when I commanded. I was in the habit of rewarding every first rate sneeze with a butter cracker, of which Zip was very fond. Zip has since had the reputation of suffering from severe colds in the head."

This was the only special accomplishment which Zip possessed, and whether this was the result of peculiarly sensitive olfactory organs or his master's training we are unable to say. Of the merits of the latter we are not prepared to speak, having never given the system an actual trial, but we should imagine that such a course might succeed.

TO SPEAK FOR IT.

This may be taught either in connection with the preceding trick, as a portion of it, or by itself. If the former, it is better to let the dog thoroughly master the first part, begging, before it is attempted to teach him to "speak for it." Take a piece of some article of food which he is fond of, and allowing him to see it, command him to "speak for it!" Of course he will not understand what you mean, and will probably only gaze wistfully at the morsel. By-and-by he will grow impatient and give vent to a sharp bark. The moment he has done this give him the article, for although he has not understood you he has done what you desired, and by rewarding him he learns that

this is the case. Practice him a little at some of his old tricks with another reward at hand to encourage him. Should he try the experiment of barking while thus engaged no notice should be taken of it, for it is not desired that he should bark except he be told to, and his doing so in other cases should never be rewarded. When you wish it, repeat the command of "speak for it," and when he obeys reward him. If at first he does not show an inclination to bark he may be stimulated to do so by your giving a "bow-wow" yourself in as doggish a manner as you are able. This encroachment on his language will generally have the desired effect, for few dogs can resist replying to this act which they no doubt deem an impertinent meddling with their "mother tongue."

TO FETCH AND CARRY.

This accomplishment may often be put to great practical use, and it is an excellent plan to teach all dogs, which are large enough to be of any service in this manner, to carry baskets or parcels when accompanying their masters. The mode of train-



DOG TAUGHT TO CARRY BASKET.

ing is very simple, consisting of merely placing the article in the dog's mouth, and when he lets go of it give him a slight box on the ear and replace the article in his mouth. Whatever is given him to carry should be of such a form as to be grasped

easily by him without hurting his mouth or teeth. The weight should at first be *very* light and *never* more than he can easily carry. Most dogs will take a real pleasure in carrying articles in this manner, and they seem to feel the responsibility attached to their duty, for they will carry their own or their master's dinner without attempting to appropriate any portion of it until the proper time when their share shall be given them. In teaching dogs to carry food, however, it is necessary to take a little special pains to overcome their instinctive inclinations to eat it. A good plan is to place the article in a covered basket which they cannot open, and when the dog has learned to carry an ordinary parcel give him this. If he attempts to get at the food, which he readily detects by his sense of smell, box his ears. By-and-by reward him with the food, and then try him with a basket from which he *can* abstract the contents; if he tries to do so punish him slightly, never permitting him to steal the food. If a dog ever deserves a reward for well doing he certainly does in this case, for it is too bad to tantalize him with the smell of some dainty and then not to let him finally have something for his good conduct.

To make a dog carry articles from one person to another it is only necessary for two persons to take their position at some distance from one another. One gives the dog some article saying, "go, sir," at the same time. As the first says this let the other person call or whistle to the dog. Now let this one give the dog some thing and let the other one call him, and so on back and forth until he will go from one to the other at the command, "go, sir." The distance between the parties may be increased from time to time, and the trick may be varied by one of them hiding himself, this will teach the dog to hunt for the person to whom he is to deliver the article, which will prove useful when you by-and-by desire to send him on an actual errand to a distance.

The extent to which any dog may be educated in this matter depends very much upon his natural intelligence and the skill and perseverance of his teacher. Many anecdotes are told of dogs going on errands. In some cases they go to the post-office for letters, in other cases to the store for groceries, etc., and we recollect several instances cited where dogs would, on being given a piece of money, go to the baker's and purchase cake on their own account. The baker, in one of these instances, is said to have one day palmed a stale bun upon a dog who had been in the habit of coming to him regularly with pennies, and the animal, to show he was not to be imposed upon, transferred his custom to a rival establishment. In none of these accounts

have we ever seen any mention of the dogs having been subjected to any special training, and it is more than likely that they never were. Animals, like men, are creatures of habit. If a man becomes accustomed to a certain routine it is difficult for him to change. Many merchants, retired from business, continue to pay a daily visit to their old offices, their brokers or lawyers, just because not to do so would make them uncomfortable and restless. So a dog who has become used to accompanying his master on any regular round of duties will often show that he understands where it is they are going by running ahead and stopping at the accustomed place. We call to mind a dog belonging to a gentleman residing some miles from this city, who will serve as an example of what we have stated, though probably all of our readers are familiar with instances equally, if not more, remarkable. The gentleman was accustomed to walk from his residence some half mile to take the morning train for the city, and to return by a particular train in the evening. The dog accompanied him to the cars in the morning, and would again meet him on the arrival of the train at night. It took him some weeks to learn when to expect his master, but after that he never made any mistakes.

A writer in one of the magazines mentions a poodle who was in the habit of going to church with his master and sitting with him in the pew during the whole service. Sometimes his owner did not come, but the poodle was always promptly in his place, remaining during the service and departing with the rest of the congregation. One Sunday the dam at the head of a lake in the neighborhood gave way, and the whole road was inundated. The attendance at church that morning was therefore restricted to a few individuals who came from near by. But by the time the clergyman had commenced, he saw our friend the poodle coming slowly up the aisle dripping with water, having been obliged to swim a quarter of a mile to get there.

It is not very difficult to teach a dog to go on errands. Suppose you wish him to go to market for you of a morning; take him with you regularly for a few mornings, letting him carry the basket. In a few days he will understand when you start where it is you propose to go, and will, perhaps, run on ahead and arrive there some minutes before you. It would be well on all occasions before starting to give the command, "Go to market," which will accustom him to it.

We do not vouch for the truth of the story of the dog who, on being given—when purchasing one time on his own account, with money given him for that purpose—a piece of meat inferior to what he considered his due, went and brought a policeman.

TO BRING HIS TAIL IN HIS MOUTH.

The dog having been taught to fetch and carry, an amusing application of this knowledge can be made by having him bring his own tail in his mouth. This trick is exceedingly funny and is always hailed with roars of laughter. The feat is rather difficult for while his tail is in his mouth, the dog can only advance in something like crab fashion, or sideways, with an almost irresistible tendency to go around in a circle without getting ahead any. To attain success in teaching this trick the dog must be gifted with a good deal of tail, and the trainer with a good deal of patience. Dogs will in play grasp their tails, and most persons have noticed while frolicking with a dog that if the dog's tail be taken hold of with one's hand, the dog will attempt to seize the hand with his mouth, and if his tail be now dexterously placed in his way, he will seize that. This perhaps first suggested the idea of the trick, and this is the initial step of the training. When the dog takes hold of his tail praise him, and after he has held it a little while bid him "let go," and reward him. Should he relinquish his hold before you order him to, speak sharply to him and commence again. When he has learned to retain hold of his tail until ordered to relinquish it, the more difficult part of his lesson may be taught—the bringing it to the trainer. The trainer at first takes his place a few feet from the dog in the direction in which the dog can most easily advance, and calls the dog; should he let go his tail to come, he is to be scolded, and the tail replaced in his mouth. When he comes without letting go, he should be rewarded. Gradually the distance he is required to come may be increased, but it would be cruel to make this distance more than half a dozen yards. When the tail is placed in his mouth it is well to say, "Bring me your tail," to accustom him to the order. By-and-by when you give this order merely hold his tail for him to grasp, and at last let him seize it without any assistance from you.

THE ROLLING BALL.

There are several modifications of this trick, or rather there are several feats all performed with this instrument—a globe of wood or other material some two feet in diameter. One of these feats consists in the dog standing with his hind feet upon the ground, and resting his paws on the ball, pushing it forward, or up and down an inclined plane. This is easily taught, and the only difficult part of the performance is the descent of the inclined plane, where the ball is apt to roll away from the animal. To teach this trick it is only requisite to place the dog's paws upon

the ball and set it slowly in motion; as you do this tap his hind legs gently from behind to urge him to step forward. It may be necessary to hold him in position by the nape of the neck at first, but he should very soon learn to retain his position without this aid. When he rolls the ball readily upon a level, substitute a wide plank very slightly inclined, up which he should be required to roll the ball. Increase the inclination of the plank slightly with each lesson, but the descent should only be attempted after he has been thoroughly drilled in the preceding exercises. It will be necessary to commence with a very slight inclination and to promptly stop the ball should the dog begin to lose control of it. The width of the plank may be decreased eventually to some ten or twelve inches.

To stand entirely upon the ball while it is in motion, and to propel it backward and forward, and up and down the inclined plane, starting and stopping it as well as guiding its motions in the desired direction—is a more difficult feat. In this the dog must be practiced in standing upon the ball while it has no motion; in several lessons in this just the barest possible motion is to be given to the ball while a slight hold upon the dog's neck keeps him in position. The motion may be slowly increased with each lesson, but the ball must for many lessons be held firmly with the hand to prevent it becoming unmanageable. When the dog becomes able to maintain his position he may be required to manage the ball without any assistance. In all cases where he gets down from the ball, accidentally or willfully, he should be spoken to sharply, but the trainer should be equally prompt to praise and reward success.

TO WALK ON STILTS.

The stilts used in this trick are about twelve or fifteen inches in length, made to fasten to the leg just below the knee joint, with tape or thin flexible leather straps. When four are used there is no particular training required to make the dog walk upon them; it being only necessary to put him "on his pins" again whenever he upsets. The tumble is sufficient punishment for his failures. Walking man fashion on only two stilts is a much more difficult task, though it has been accomplished in some cases. The dog should be first thoroughly taught the walking erect trick, then stilts may be put on his hind legs. A cord attached to his collar and held in the trainer's hand will aid in maintaining the dog's balance until he becomes accustomed to his novel position. Of course the dog cannot raise himself upon the stilts, but must be placed erect by the trainer. The farther training is similar to that described for teaching

him to walk erect. A story is told of a dog who actually found a wooden leg of practical use ; one having been furnished him by a whimsical surgeon who had amputated an injured limb for him.

TO GO UP AND DOWN A LADDER.

In teaching this trick two ladders should be provided about six feet in length and joined together at the top ends so as to form an angle when the other ends are placed on the ground. The bars of these ladders should be flat and sufficiently near together to enable the dog easily to step from one round to another. Standing at the side of this ladder with a switch in your right hand you whistle to the dog, or call him by name,



CLIMBING THE LADDER.

and tap the first round of the ladder with your switch to indicate he is to step upon it. When he places his fore paws on this round, tap the next in the same manner, saying, "Go on," to him. If he does not obey strike his hind legs lightly from behind, while you encourage him with your voice and snap your fingers in front of him to urge him forward. A tid-bit of some kind held in tempting proximity to his nose may have an encouraging effect. After ascending one ladder he should be made to go down the other. He will be inclined to jump to the ground in preference to descending step by step ; should he do this he must be punished and made to commence over again. When on the ladder if he hesitates about proceeding gently tap the toes of the foot he should next advance. When two dogs have been taught to go over the ladders a race may be arranged, the dog who first goes three times over to be rewarded. The dogs

will soon understand that when they are both ordered to go over, speed is expected ; the dainty given to the winner will be an incentive to exertion. By making one dog go up to where the ladders join, turning half around and forming an arch of his body, the other dog can go over the ladders, passing beneath the belly of the "arch." This is a very trifling feat but it generally pleases an audience.

The ladder climbing forms really the principal part of the celebrated siege scene, performed by dogs and monkeys. This scene, we believe, was first enacted in London in the year 1753, by a troupe of dogs and monkeys which acquired considerable celebrity by their performances. They were owned by a lady, who had also taught them, and went by the name of Mrs. Midnight's Animal Commedians. A small stage was specially fitted up for their performances, furnished with scenery, decorations, etc., and to these adjuncts was no doubt due much of the success of the troupe. The performance was much like modern ones ; the tricks are all included in this chapter and the one on monkeys ; the famous siege being only a clever combination of the different tricks. Each animal was taught a particular part and merely obeyed the signals of the exhibition.

TO STAND ON HIS HEAD AND TO WALK ON HIS FORE LEGS.

The term "standing on the head" is applied to a "wrong end up" position though the animal is actually supported by his



WALKING ON FORE LEGS.

fore paws, his head not necessarily touching the ground. To teach the trick, provide yourself with a switch twenty inches in length, and moderately stout. This switch, held in your right hand, you place under the dog's belly, and while you raise up his hind quarters with it, you place your left hand on his head to keep him from moving away, and to make him retain his reversed position. As the dog rises into position the switch should be gradually carried along until it supports his hind feet. This is the process for the first few lessons, until the dog understands what is required ; after that it is better merely to tap his ankles from in front with your switch, giving at the same time whatever order you have accustomed him to in teaching the trick. He should eventually take the position without any hint or help from the switch.

When the preceeding trick is thoroughly mastered, the walking part may be easily added. Taking your position a little in front of your pupil when he is in his upside-down position, you encourage him to come to you. At the same time you must keep your switch in handy proximity to his toes, which you tap lightly on any signs of his relinquishing his position. By-and-by he may be made to walk quite a distance.

TO "SING."

When a dog howls *in time*, we think it fair to call his performance "singing." Dogs may be taught to do this ; at least they have been, and it is reasonable to presume it may be done again. In only one case of this kind do we know positively the mode of tuition, but it was probably pretty much the same in all cases. This consisted in keeping the dog without food until his appetite was quite sharp. When food was shown him, he naturally whined for it. Now, a dog may be made to whine, howl, or bark, if you make any of those noises yourself ; almost any dog will imitate you, and not only that, but the pitch and style of noise he makes will be somewhat regulated by that made by you. The hungry dog is in prime mental condition for this exercise, and if rewarded when he hits pretty near upon the right degree of noise, he will learn to follow your tones quite accurately. If exercised in a regular scale, or in a simple tune, he will by-and-by go through it without requiring your prompting, with sufficient accuracy to be recognized—if the hearers know beforehand what melody to expect.

It is not pretended, of course, that dogs trained as above described, do anything but repeat a series of noises mechanically in a prescribed rotation. We find recorded, however, one instance of a dog learning to discriminate between the different

notes, and to detect false ones in a musical performance. The story seems improbable, but may be true; however, it is worth telling:

"Frederick Schwartz, a merchant retired from business in Darmstadt, occupied his leisure hours, which were many, almost exclusively with music. His passion for the art acquired such an intensity that he required every one about him to fall in with his musical predilections by either vocal or instrumental coöperation. Poodle, the dog, was the only one unable to render any musical assistance. As worthy Herr Schwartz felt the utter impossibility of making Poodle afford any practical aid, he determined to train him to fill the office of critic in his own harmonious community. He succeeded, too, by an ingenious method. Whenever a note out of tune proceeded from a voice or an instrument; every time that a musical fault was committed by any member of the family—and such faults were committed purposely—the rod was applied to Poodle's back, and he naturally began to bark and howl. He was exactly in the position of the whipping boy, who pursued his studies with the royal prince. Whenever the prince made a grammatical blunder, the whipping boy had to smart for it. Before long, simple threats were substituted for smitings of his (Poodle's) back; afterward a look sufficed to set the creature barking; and little by little Poodle familiarized himself with wrong notes and other musical atrocities, until at last a mistake could not be committed without his rebuking it either by a bark or a growl. He thus became, as far as music was concerned, the most impartial judge, the most conscientious critic in the whole grand duchy of Hesse Darmstadt.

"Unfortunately, his appreciation of musical art was completely and solely negative. He bestowed no praise, but only blame. Sing with expression, perform with talent, the dog would remain impassive and cold; but at the slightest incorrectness of intonation he ground his teeth, lashed his tail, growled, yelped, and barked aloud. So long as he flourished—and he may flourish still—not a concert or an opera was rehearsed in Darmstadt without inviting Herr Frederick Schwartz and his dog—but more especially the dog. If the prima donna made the slightest slip, the dog looked at his master with an air of disapprobation. If the hautboys came in too late, Poodle pricked up his ears; if the clarionet hurried the movement, Poodle fidgeted on his bench; if the kettle-drummer broke the time, Poodle uttered audible murmurs. In fact, no piece was considered properly executed unless the canine connoisseur remained quiet on his seat.

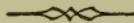
"Nor must it be supposed that Poodle's instinct was limited to forming a judgment of the execution only. His intelligence, trained by hearing classical works, seemed to have penetrated some of the secrets of composition. An abrupt modulation, a false resolution, would produce symptoms of doubt on Poodle's muzzle; consecutive fifths made him shudder, and a halting melody set his teeth on edge. Sometimes Herr Schwartz and his intimate friends, in the privacy of a snug little quartette party, would amuse themselves by producing discordant sounds, for the sake of tormenting the sensitive animal. On such occasions Poodle lost all self-command; his hair stood on end, his eyes became bloodshot, and frightful howlings answered to the discord produced by the fiddles of the mystifiers. Moreover, they were obliged to keep within certain bounds. Poodle possessed only a limited stock of forbearance. If the cacophony was too intense or too prolonged, Poodle, carrying out his sense of duty, upset everything. Music-stands, music-stools, and instruments, were strewed in confusion about the room."

THE LUMP OF SUGAR TRICK.

This consists in placing a lump of sugar on the dog's nose, and having him toss it up and catch it in his mouth. It is not essential that sugar should be used; any other dainty will do as well, indeed a piece of meat will answer better in teaching the trick. In teaching, hold your switch under the dog's chin, and tap him whenever he tries to lower his head to let the meat drop. If he does not presently jerk his head up, and so throw the morsel into the air, you should strike him under the chin a pretty smart rap to make him do so. When it leaves his nose there will be no instruction required to make him seize it promptly before it has a chance to reach the ground; should it, however, touch the ground, it is well to take it from him, and make him toss it again.

TO FEIGN DEATH.

A dog may be placed on his back or in almost any other posture, and by speaking sharply to him and threatening him with your forefinger, you can prevent his changing his position. In this manner the trick of feigning death is taught. If a special word of command be used when placing him, he will learn to take the position on hearing that command.



CHAPTER XI.

WONDERFUL FEATS PERFORMED BY DOGS—MOST CELEBRATED DOGS OF THE WORLD—LEARNING THE ALPHABET—TO PLAY CARDS AND DOMINOES—TO SELECT ANY ARTICLE DESIRED AND PUT IT ANYWHERE DIRECTED.

OUR last chapter gave a wide range of tricks performed by dogs, most of which can be taught by the amateur trainer. There is another class of tricks, requiring great intelligence on the part of the dog, and rare skill and patience on the part of the trainer, for their successful mastery. Though these may be beyond the abilities of ordinary dogs and ordinary trainers—for such feats are very rare, even in public exhibitions, and when performed, are looked upon almost as miracles—they cannot fail to prove interesting to our readers, and it is barely possible that some reader of this book may yet astonish the world with some equally proficient animal, to rival those whose deeds are herein recorded.

The French trainers have probably brought the education of the dog to a point achieved in no other country, and several of these canine celebrities have become subjects of history. Emil de Tarade gives a very interesting account of two of these, the principal part of which account we translate, as follows :

"In 1840 I was acquainted with M. Leonard, of Lisle, (an inspector of the revenue) who possessed two well taught dogs. Braque and Philax, as they were named, were two grayhounds, with large brown ears. Their eyes alone would tell you how much intelligence had been developed in these interesting animals. Words were fixed in their memory with a positive meaning. These dogs knew as well as we do the meaning of 'above,' 'below,' 'before,' 'behind,' etc. They made a proper application of the name of a color, of a number up to a certain point ; knew what was meant by 'parlor,' 'corridor,' 'stairs,' knew the furniture, utensils, small objects of the pocket and toilet ; and when one bade these dogs perform in the *absence* of their master, one was seized with astonishment and admiration.

"If you said to one : 'Go sit down in front of the lady in the rose-colored dress,' the dog went immediately to seek the lady so designated, seated himself upon his haunches, wagging his tail, and regarding the lady with a very expressive look. 'Ask the lady for her thimble.' The lady offered successively her handkerchief, gloves, etc., but the animal did not move.

As soon as she presented the thimble, he ran off, making a thousand gambols at having obtained it. After this he passed gravely about the room, as if to say : ‘ What shall I do with it ? ’ On saying to him : ‘ Go to the sofa in front of the fireplace—there is a hat upon it—put the thimble in the hat, and carry it to the lady in blue,’ the dog would strictly carry out the order.

“ Placing a piece of meat on a piece of bread, and putting the whole into a corner of the room, you might say to either of these dogs : ‘ Seek it ! Seize it ! ’ The animal would run toward the object in question, but on nearing it, he would face about, seat himself before you with a pleasant air, as if to say : ‘ I only eat what my master gives me—is Mons. Leonard present ? ’ The latter would say : ‘ Leave the meat—put it on the ground—eat the bread.’ The order would be executed.

“ Both these dogs knew how to play dominoes, and this is the method in which it was done : One dog was made to seat himself upon a chair before a table on which were placed the dominoes, and opposite a human player. It was necessary to give the dog only four dominoes, which were laid out in a row, the faces toward him. If he had a double six he played it at once, placing it in the middle of the table. If he had not, he waited for his opponent to play. Then, if he had a domino proper to play, he did not fail to do it, though he never adjusted it nicely—contenting himself with placing it at the end to which it belonged. If you attempted to cheat, by placing a two, for instance, where a six belonged, he contented himself (if it was a lady) with returning the wrong domino ; but if it was a gentleman, he accompanied the correction with a growl, as if to say : ‘ Do not revoke, sir.’ These feats were performed by these dogs either in the presence or absence of their master.

“ One day, walking in the country, I asked M. Leonard to order the dogs to go over a fence right and left. He did so by command only, Philax going over on our left, and Braque on the right, as they were ordered. Then he ordered them to kiss each other ; they pushed muzzle to muzzle in quite an amusing way. Another thing, the dogs were frequently sent to the butcher, baker, or grocer, with a basket and written message, and on these occasions it was only necessary to say : ‘ Go to the butcher ! ’ ‘ Go to the baker ! ’ or, ‘ Go to the grocer ! ’ and the command was always obeyed without fail. On these occasions, one would carry the basket, and the other would act as guard.

“ One may see from this that if the grayhound, the least intelligent of his kind, is capable of such instruction, all dogs are

capable of being taught to do things which seem apparently impossible."

Still another French celebrity of the canine kind is described by a writer in *Le Siecle*, a Paris journal. Mlle. Bianca, as she was called, one of the pug breed, created quite a sensation among amusement seekers at the time she was exhibited, and her wonderful feats were witnessed by large audiences. We did not see her performance, but have been assured by persons who did, that the following, though perhaps a little highly colored—as is the habit of most French writers—is yet substantially an accurate description of the dog's feats. *Le Siecle's* reporter says :

" As most of the Parisian papers have mentioned this little phenomenon, who reminds the public of the genius of the illustrious Munito, I, in turn, wished to make Mlle. Bianca's acquaintance. She did me the honor to accord a private audience to me; for which I am extremely grateful. To see artists on the theater of their exploits is doubtless very agreeable, but to be introduced into their intimate circle of friendship, is still more précious. If these lines should fall under Mlle. Bianca's eyes—as it is not improbable, for artists generally do not disdain to read newspapers where their merits are vaunted—she may see that, though I am only a man, may hert is no stranger to every sentiment of gratitude. Let me say, in the first place, in praise of my heroine, that her modesty exceeds even that of male and female literary people, who are, as everybody knows, a most modest race. Vanity, that horrible fault which some observers have insisted they were able to detect in some men and women—fortunately extremely rare—is no canine vice; and great as are Mlle. Bianca's talents, she remains what nature made her—simple and good natured, and as sprightly as beautiful.

" She reads fluently, writes in her way, corrects faults of orthography, takes part in a game of *ecarté*, forms a bouquet by the names of flowers or their colors, and barks, or at least is familiar with, nineteen languages. Even if we admit the natural affection which Mlle. Bianca's professor has for his excellent pupil has betrayed him into exaggerating the talents of Mlle. Bianca some fifteen more tongues than she really possesses, nevertheless she will still be a most distinguished polyglotist. This I can affirm. I gave her the English word 'God' to translate into Latin. She instantly, and without hesitation, composed the word 'Deus.' This is her modus operandi: She is placed on a table sufficiently large to allow her to move easily in every direction. She is in the center of the table. All

around her are small bits of pasteboard, bearing each a letter of the alphabet. When a spectator gives a word, or asks for a translation, Mlle. Bianca seems to think a moment, half closes her eyes, like a poet hunting for a rhyme, and moves around the table, taking pasteboard, letter after letter, until she completes the word. She does this quietly, easily, without ever being betrayed into hurry. The word formed, she gravely takes her seat and gives one bark, as a printer places a period at the end of a sentence. She plays cards, and forms nosegays in the same way. While this intellectual animal is at work, her master stands motionless, some three or four paces from the table, but does not say a word. He sometimes disappears entirely behind a door, and Mlle. Bianca works wonders as effectually as when he is present. I said to her tutor: ‘So your dog really reads and understands what is said to her?’

“How can you doubt it, as you see she does so as well when I am absent as when I am by her side?”

“She really is the worthy peer of Munito, the Newton of the canine race.”

“Munito!” quickly exclaimed Mlle. Bianca’s tutor, his lip curling with contempt as he spoke. ‘Munito was a miserable humbug; one of those dogs who abuse the public credulity.’

“What? Munito a humbug? You astound me!”

“Yes, sir; and were Munito here, I should tell him so to his face. Impostors and dogs of real talents should not be confounded. Munito did not know B from a bull’s foot, while Bianca has learned by rule. What she knows, she knows thoroughly.”

“Is it possible Munito knew nothing, and merely concerted with his master to appear learned?”

“You have hit the nail on the head.”

“Do you mean to tell me there are pseudo savants among dogs? I thought men had a monopoly of that plague.”

“Dogs don’t escape it.”

“Good heavens! can a fellow trust neither man nor dog? Do enter into particulars; and since I am doomed, it seems, to lose one more illusion, let the loss, at least, turn to the profit of my knowledge.”

“I, too, was a dupe to Munito’s merits; but one fine morning the scales fell from my eyes, and I discovered the truth. Like my Bianca—forgive me the odious comparison, dear!—Munito stood in the center of a circle formed of bits of pasteboard bearing letters, or figures, or colors. I grant you, Munito had a good deal of brains; he was no fool, I admit, and his ear was exquisitely delicate. Had he been trained by a good method,

he would have attained high rank ; but his master, who was an Italian, preferred turning his delicacy of hearing to profit, rather than bringing him up by rule.'

"Ah ! Munito was no classic. But, pray tell me, did he then belong to the romantic school ?

"Not a bit more than he belonged to the classical school. All his talents lay in obeying his master's signals. Munito walked gravely around the table, assuming the airs of a member of the French academy ; but incapable as he was of reading or distinguishing colors, he never stopped to pick up the bit of pasteboard except when his master gave him the signal. Munito's master stood with his hand in his breeches pocket. He would snap a finger nail or a tooth pick, and this click, though so slight as to escape the attention of the spectators, was caught by the dog's ear, and who instantly received the reward of his criminal comedy. He was given a bonbon. Do you know of what that so-called bonbon was made ? 'Twas nothing but bread and meat hashed fine and rolled in the shape of a ball ; but there was no more sugar in it than there is in a black draught. Such cheating really deserves the brand of history. If you think I speak harshly of Munito, my excuse is, he is dead. We owe nothing but truth to dead dogs as well as dead men."

The reader will perceive that, for the best results, a systematic course of education is necessary rather than the teaching of a mere trick, to be performed at a recognized signal from the trainer. Presuming that the dog has been taught to fetch and carry, as described in the preceding chapter, and may thereby be considered to be well up in the rudiments of canine education, the following, which may be termed the "classical" course, would be the system of instruction—it is, indeed, the same as was pursued with Braque and Philax :

Having taught your dog the meaning of the words, "go fetch it," "bring it," "drop it," "bring it back," you will next teach him the names of different articles. Let us first take a handkerchief, and placing it upon the ground, order him to "bring the handkerchief," until the name is impressed on his memory. Now we will add a glove, and direct the dog to "bring the glove." Should he bring the handkerchief instead, we scold him, but should he bring the glove, we reward him. When he has thoroughly learned to distinguish these articles by name, a key may be added, and the same method of teaching continued. One by one other articles may be added, until the number is sufficiently large to make the trick entertaining. When he has been exercised in picking out on command the desired ar-

ticle from those placed on the ground, hide one of them, and, calling the hidden article by name, order him to bring it. If, after examining the objects before him, he shows by his distressed looks that he knows the article required is not among the others, you may be assured he has thoroughly acquired his lesson. If he brings a *wrong* article, it is certain that either he is careless, or not sufficiently drilled.

Differences of color come next. Take, for example, a red, white, or blue handkerchief, and placing it on the ground, direct the dog to bring it, calling it by *color* as well as name. At first he will bring it, because he knows what the word "handkerchief" means, and without giving consideration to the color; but when you add a handkerchief of a different color, still ordering him to bring the former one, he will remember the new word and its application to the right handkerchief. Supposing you have commenced with the red one, and have added the white, should he bring the white, you say sternly, "No! the *red* handkerchief," making him replace the white, and bring the red. Now repeat the lesson, calling at will for first one and then the other, until he makes no mistakes. Then add the blue handkerchief, and repeat the lesson. Gloves of various colors may then be added, one by one, in all cases naming the *color* as well as the article when directing him to bring it. The number of objects may be increased to whatever extent the patience of the trainer and the capacity of the pupil will admit of.

After that it will be found convenient to teach him the names of the more common articles of furniture. Pointing to a table, you will say to him: "Go to the table." The motion of your hand will probably direct him to the designated spot; and by repeating the lesson, he will learn to associate the name of "table" with that article. Of course, "chair," "sofa," and other objects may be added as he progresses.

Then he may be taught to distinguish between the meanings of such words as "on," "under," etc. This is done by emphasizing the prepositions as: "Put the glove *on* the chair;" "Put the handkerchief *under* the table," etc., in each case repeating the order until he obeys correctly. If all preceding lessons have been thorough, he will readily comprehend all of the order but the *new* part, and as his attention will only be required by that, he will soon learn it. Then the titles of individuals, as "lady," "gentleman," and "child," may be taught in the same manner, reproofing his failures and rewarding his successful attempts.

To secure a valuable dog against accidental or malicious injury from poisonous or improper food, it is well to accustom

him to take his food from the hand of his master, or some other trustworthy person, and never to eat anything unless it be so given. This is the foundation of several tricks spoken of in a preceding page. After the dog's intelligence has been so cultivated that he quickly understands your wishes, and has become accustomed to rendering implicit obedience thereto, place within his reach a piece of meat, or a saucer of milk, and order him not to touch it. Then retire to a short distance, but be ready to check any attempt to seize the food, by repeating the command, "Don't touch it," and by force if necessary. Do not tantalize him too long, but soon give him some tid-bit as a reward for his self-control, and repeat the lesson. By-and-by he may be left alone, at first only for a few minutes, then for a longer and longer time.

It is possible—and, indeed, it is the common method—to teach a dog to pick out any desired letters from a number of printed cards, in obedience to signals given by the exhibitor. This method of training is essentially the same as that adopted with the "educated hog;" so it is unnecessary to describe it here. But dogs, as in the case of those described in the preceding pages, may be taught to *know* the letters, and to recognize them when named; so that the performance can be conducted more openly, and without risk of the clap-trap of signals being detected.

But how is this to be taught? Why, very much as a child is taught—by constant drilling until the name and looks of each letter are perfectly associated together. Pieces of pasteboard should be provided, on each of which one letter is marked large and plain. Placing the A and B cards side by side, tell the dog to bring you the A. If he brings the B, scold him; make him return it to its place, and again order him to bring the A. As soon as he does so, pat him, speak encouragingly to him, and repeat the lesson, not calling the letters in any regular rotation, but at random. Add letter by letter each day as the dog learns thoroughly those already given him, until he can select without hesitation any letter of the alphabet that may be called for. He may then be made to spell words by your calling the letters composing them. If thoroughly trained, he will bring the proper letters when shown a card on which the word you desire him to spell is printed. Of course, only capitals should be used in these exercises, for otherwise the labor of teaching would be doubled, besides confusing the dog between capitals and small letters, without gaining anything.

On the same principle the dog may be taught what, with a little license, may be called playing cards. Pieces of paste-

board several times the size of ordinary playing cards should be provided, one side of each being printed to represent one card. As with the letters, these cards are to be placed on the floor, at first only two, then three, increasing the number as the dog learns those already shown him. Suppose the ace of clubs and the ace of hearts be used to commence with : direct the dog to bring the ace of clubs ; if he does so, reward him, but if he brings the heart, scold him, and order him to return it ; again directing him to bring the ace of clubs. So on with each lesson until he can distinguish between all the cards, and bring any one desired. After this, cards a little smaller may be substituted for those at first used, and then smaller and smaller ones until the customary playing cards are used. We give this feat on the authority of M. de Tarade, never having personally seen it performed, but it is really not so difficult as might at first be imagined ; the dog, even to know the whole pack, needing only to learn the thirteen *values* of the cards, and to then distinguish between the four suits.*

The "playing" part consists in the trainer directing the dog to bring the particular card required ; wherever it is pretended that the dog of his own accord selects the proper card for taking a trick, there is really deception ; the dog in such a case must be secretly directed by signals which he has been taught to obey.

To teach a dog to play dominoes, provide some pieces of board or thick card, some eight or ten inches long, on which paint conspicuously in black the required dots. Having provided two sets in this manner, spread one set upon the floor, and taking in your hand the blank domino of the other set, you say : "Bring the white." Being familiar, from his previous training, with the color, he will doubtless select the correct domino. Then you show him the one spot, directing him to "bring the one." Should he hesitate, repeat the command, showing him the spot on the domino in your hand. As soon as he has learned this difference, cease your instruction for the day, as it is unwise to attempt to go too fast. On the next day the two, three, and four may be included in the lesson ; and so on each day, adding two or three, until the whole are learned. Having learned so much, the dog is prepared to play

*Even this would be a greater feat of intelligence than we have ever seen exhibited by a dog, and we are inclined to think there was some aid afforded in this case of the French dogs, by arranging the cards systematically, or by some other means. It is harder to count (or to distinguish between) the number of dots, than to distinguish between a blue handkerchief and a red stocking. The dog who is described as playing dominoes, it should be remembered, used only four pieces at one time. Possibly the dog recognized the cards by the *general* appearance of each, not the number of spots thereon.

a game of dominoes, for the game consists merely in matching certain pieces.

Munito, the dog to whom reference is made in a preceding page, was a French poodle, very handsome, with a fine silky, white, woolly coat, half shaved. A gentleman who saw him exhibited in Piccadilly, London, nearly fifty years ago, thus describes his performance, disclosing at the same time the secrets thereof:

"He performed many curious feats, answering questions, telling the hour of the day, the day of the week, or date of the month, and picking out any cards called for from a pack spread on the ground. At the corner of the room was a screen, behind which the dog and his master disappeared between each feat for a short time. We watched him narrowly; but it was not until after our second visit that the mystery was solved. There were packs of ordinary cards, and other cards with figures, and others with single letters. One of the spectators was requested to name a card—say the queen of clubs—the pack was spread on the floor in a circle, faces upward. Munito went around the circle, came to the queen of clubs, pounced upon it, and brought it in his mouth to his master. The same process was repeated with the cards with figures, when he brought the exact numbers which answered the questions put as to dates, or days, or hours; in the same way with the letter cards, when he picked out the necessary letters to spell any short word called for, always making a full circle of the whole of the cards for each letter, or for each number, and never taking up two letters or two numbers consecutively, though they might chance to lie close together. This fact we made out at the first visit, but nothing more. On the second occasion we watched more narrowly, and with that object took a side seat, so that we had a partial view behind the screen. We then noticed that between each feat the master gave the dog some small bits of some sort of food, and that there was a faint smell of aniseed from that corner of the room. We noticed that the dog, as he passed around the circle of cards, with his nose down, and his eyes directed to the ground, never pounced on the right card as his eyes covered it, but turned back and picked it out. It was clear that he chose it by the smell, and not by the sense of sight. We recalled that, each time before the dog began his circuit, the master arranged and settled the cards, and we then found that he pressed the fleshy part of his thumb on the particular card the dog was to draw, which thumb he previously put into his waistcoat pocket for an instant; and as he passed close to us, his waistcoat had an aniseed scent."

Dogs have been made to take part in stage representations, their performances being but applications of simple tricks taught in our tenth chapter. The good dog who recognizes the murderer of his master and seizes him by the throat; the other good dog who prevents an assassination by flying at the would-be assassin, and having a scuffle; and the still other good dog who rescues the child from drowning, or some other impending danger, are all "worked" by signals, or obey understood commands—the actor's "cue" serving as well as any other word.

An amusing story is told of an accident which befell a penurious manager of a minor play-house, in endeavoring to avoid an engagement with the owner of the wonderful dogs, when *their* services and not *his* were to constitute the principal attraction. The owner persisted; it must be his dogs *and* himself, or no dogs at all; the sagacious animals would perform their marvels with no one else. The huckstering manager doubted this, and craved permission to try whether, by running across the room, and using the words repeated by the owner in the play, one of the animals would not seize *him* by the coat collar as well, without doing him any injury. The master consented, but the experiment failed entirely. The dog remained doggedly motionless. "It strikes me," said the disappointed manager, "that if you were to say, 'Go, sir!' in a harsh tone, when I repeat the words, that he would at once perform the feat." "Very well, sir," replied the owner, "we will try the experiment, if you wish it." The preliminaries were again gone through with; and the master said, "Go, sir!" The gigantic dog *did* go with a vengeance. He dashed off like an arrow; seized the manager by the nape of his neck, threw him violently on the floor, and giving two or three tremendous growls, seemed on the point of making mince-meat of his prey, who, petrified with fright, was glad enough to be rescued, and to permit the master to perform with his dogs, and on his own terms. He never was quite satisfied, however, that there was not some peculiarity in the "Go, sir," used on that particular occasion.



CHAPTER XII.

TAMING AND TRAINING ELEPHANTS—CAPTURE AND TREATMENT
—ELEPHANTS AS LABORERS AND AS CIRCUS PERFORMERS.

IN telling how elephants are trained, so interwoven is our subject with that of the capture of the animals, that perhaps our best plan will be to take a hint from Mrs. Glass's recipe for cooking the hare, viz., catch him first—and commence with the capture of the animals. Although authentic instances are on record of elephants breeding in captivity, it is of very rare occurrence, so that, practically, it may be said that the entire supply of domesticated elephants has been obtained by conversion from a wild state.

The device of taking them in pitfalls still prevails in India, but this is a laborious operation, often unsuccessful, owing to the caution of the animal; besides this, if caught, the great weight of the elephant, and the inability of his legs to withstand any severe direct shock, too frequently cause so much injury to the game as to render this mode of capture unprofitable. A writer on Ceylon, nearly two hundred years ago, describes another method which is still practiced. Describing the captures of elephants for the stud of the king of Kandy, he says :

" After discovering the retreat of such as have tusks, unto these they drive some she elephants, which they bring with them for the purpose, which, when once the males have got a sight of they will never leave, but follow them wheresoever they go; and the females are so used to it, that they will do whatsoever, either by word or beck, their keepers bid them. And so they delude them along through towns and countries, and through the streets of the city, even to the very gates of the king's palace, where sometimes they seize them by snares, and sometimes by driving them into a kind of pound, they catch them."

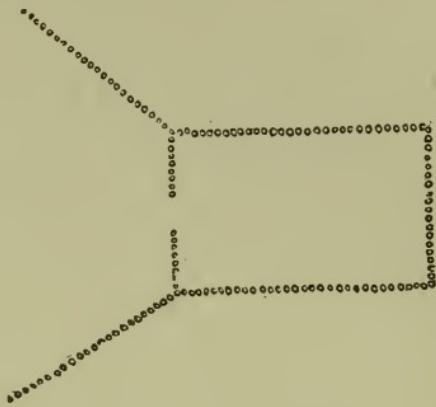
Throughout the China-Indian peninsula the natives use female elephants in approaching males detached from the herd, or selected as desired captives on account of their beauty—the capture being effected by casting a noose over the foot of the victim. Probably, however, the Moormen of Ceylon are unexcelled in daring or adroitness in this vocation. So fearless are these professional catchers, or panickeas as they are termed, that two will, without aid or attendants, attempt the capture of the largest sized elephant. Their only weapon is a flexible rope of deer's or buffalo's hide. Stealing behind the animal

when at rest, or stealthily following in his footsteps if in motion, they attach this rope to his hind legs. When at rest the elephant has a habit of swinging his hind feet, which aids the catchers in slipping the noose over the leg. Should the noosing be effected in open ground where there is no free to which to secure the prize, one man allows himself to be pursued by the enraged elephant, and thus entices him to a more favorable locality, where the other man seizes the trailing rope and winds it around some convenient tree. The animal now turns upon his new assailant, but the first provokes him with gesticulations and taunting shouts of "dah! dah!" of which word the animal has a remarkable dislike. Meanwhile, the man's comrade has secured the first noose, entangles one foot after the other until all are secured, and the capture complete.

Then a shelter of branches is put up for the men, and day and night they remain encamped before their prisoner. The elephant, in a few days at the farthest, becomes submissive, subdued by exhaustion and hunger, the terror of the fire which he dreads, and the smoke which he detests. Then an abundance of plantains and other dainties are given him, he is supplied with plenty of water, of which he is very fond, and gradually he becomes reconciled to his keepers, and finally they venture to start with their huge prisoner for their own village, generally many miles away, with forests and jungles intervening. Still too morose to permit his captors to ride him, and too powerful to be led or driven, this forced march taxes the ingenuity of the hunters to the utmost. Alternately vexing and eluding him, they keep his attention constantly attracted, and so induce him to move in the desired direction. The rope with which the capture was effected is of some assistance, besides being used to tie up the animal at night, and this is never removed from his leg until he is sufficiently tame to be entrusted with partial liberty.

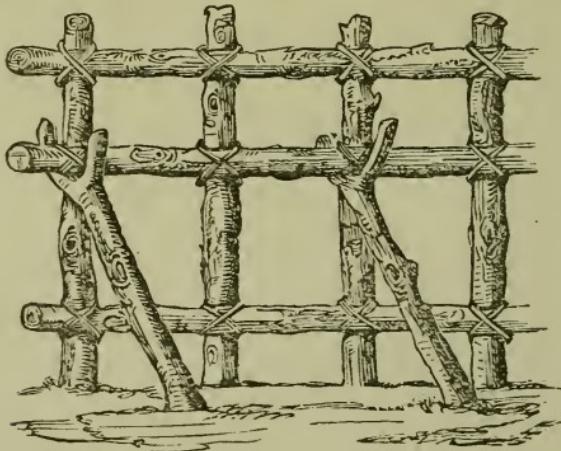
Frequently a whole herd, numbering from thirty to one hundred individuals, is captured at once, but in this case a different plan from the foregoing is adopted. The custom in Bengal is to construct a strong enclosure (called a keddah) in the heart of the forest, formed of the trunks of trees firmly secured by transverse beams and buttresses, and leaving a gate for the entrance of the elephants. A second enclosure, opening from the first, contains water (if possible a rivulet;) this again communicates with a third, which terminates in a funnel-shaped passage, too narrow to admit of an elephant turning, and within this the captives being driven in line, are secured with ropes introduced from the outside, and led away in custody of tamed

ones trained for the purpose. The keddah being prepared, the first operation is to drive the elephants toward it, for which purpose vast bodies of men fetch a compass in the forest around the haunts of the herds, contracting it by degrees till they com-



GROUND PLAN OF A CORRAL.

plete the enclosure of a certain area, round which they kindle fires, and cut footpaths through the jungle, to enable the watchers to communicate and combine. All this is performed in cautious silence and by slow approaches, to avoid alarming the herd. A fresh circle nearer to the keddah is then formed in the



METHOD OF FENCING A CORRAL.

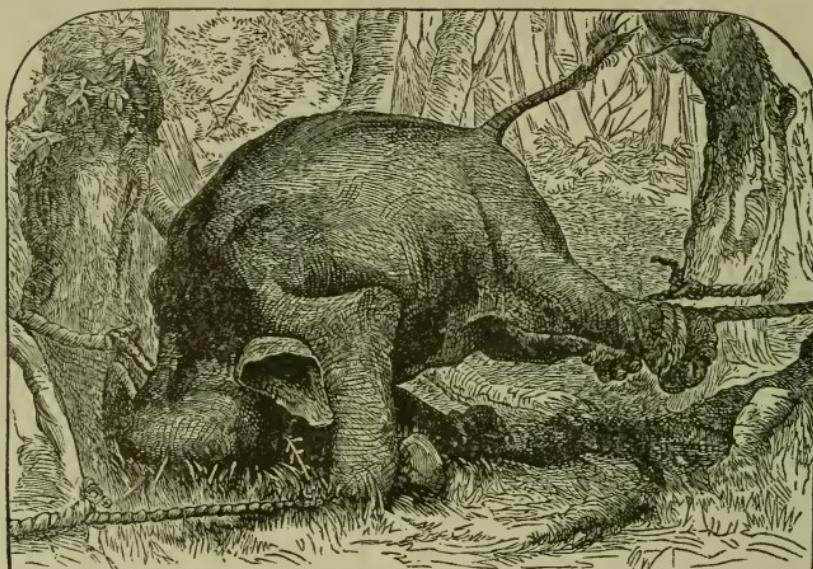
same way, and into this the elephants are admitted from the first one, the hunters following from behind, and lighting new fires around the newly enclosed space. Day after day the process is repeated; till the drove having been brought sufficiently close to make the final rush, the whole party close in from all

sides, and with drums, guns, shouts, and flambeaux, force the terrified animals to enter the fatal enclosure, when the passage is barred behind them, and retreat rendered impossible. Their efforts to escape are repressed by the crowd, who drive them back from the stockade with spears and flaming torches; and at last compel them to pass on into the second enclosure. Here they are detained for a short time, and their feverish exhaustion relieved by free access to water—until at last, being tempted by food, or otherwise induced to trust themselves in the narrow outlet, they are one after another made fast by ropes, passed in through the palisade, and picketed in the adjoining woods to enter on their course of systematic training. These arrangements vary in different districts of Bengal; and the method adopted in Ceylon differs in many essential particulars from them all; the keddah, or, as it is here called, the corral or korahl (from the Portuguese curral, a “cattle-pen,”) consists of but one enclosure instead of three. A stream or watering place is not uniformly enclosed within it, because, although water is indispensable after the long thirst and exhaustion of the captives, it has been found that a pond or rivulet within the corral itself adds to the difficulty of leading them out, and increases their reluctance to leave it; besides which, the smaller ones are often smothered by the others in their eagerness to crowd into the water. The funnel-shaped outlet is also dispensed with, as the animals are liable to bruise and injure themselves within the narrow stockade; and should one of them die in it, as is too often the case in the midst of the struggle, the difficulty of removing so great a carcass is extreme. The noosing and securing them, therefore, takes place in Ceylon within the area of the first enclosure into which they enter, and the dexterity and daring displayed in this portion of the work far surpasses that of merely attaching the rope through the openings of the paling, as in an Indian keddah, and affords a much more exciting sport.

In Ceylon, in former times, the work connected with these hunts was performed by forced labor extorted from the natives by their sovereigns as a part of the feudal service termed “raja-kariya,” and this labor was in succession demanded by the Portuguese, Dutch and English, as the island passed successively into their possession. Since the abolition of this compulsory duty, there has been no difficulty in securing all required assistance voluntarily. From fifteen hundred to two thousand men are required to construct the corral, drive in the elephants, maintain the cordon of watch-fires and watchers, and attend to other duties. Many weeks are occupied in putting up the

stockades, cutting paths through the jungle, and surrounding and driving in the elephants.

In selecting the scene for an elephant hunt a position is chosen which lies on some old and frequented route of the animals, in their periodical migrations in search of forage and water; and the vicinity of a stream is indispensable, not only for the supply of the elephants during the time spent in inducing them to approach the enclosure, but to enable them to bathe and cool themselves throughout the process of training after capture. In constructing the corral itself, care is taken to avoid



POSITION OFTEN TAKING IN ATTEMPTING TO BREAK THE ROPE.

disturbing the trees or the brushwood within the included space, and especially on the side by which the elephants are to approach, where it is essential to conceal the stockade as much as possible by the density of the foliage. The trees used in the structure are from ten to twelve inches in diameter; and are sunk about three feet in the earth, so as to leave a length of from twelve to fifteen feet above ground; with spaces between each stanchion sufficiently wide to permit a man to glide through. The uprights are made fast by transverse beams, to which they are lashed securely by ratans and flexible climbing plants, or as they are called, "jungle ropes," and the whole is steadied by means of forked supports which grasp the tie beams, and prevent the work from being driven outward by the rush of the wild elephants.

The space enclosed varies, but 500 feet in length by 250 wide is a fair average. At one end an entrance is left open, fitted with sliding bars, so prepared as to be capable of being instantly shut; and from each angle of the end by which the elephants were to approach, two lines of the same strong fencing were continued, and cautiously concealed by the trees, so that the animals would be prevented from making their escape at the sides while being forced forward to the entrance of the corral.

The corral being prepared, the beaters address themselves to driving in the elephants. For this purpose it is often necessary to make a circuit of many miles in order to surround a sufficient number, and the caution to be observed involves patience and delay; as it is essential to avoid alarming the animals, who might otherwise escape. Their disposition being essentially peaceful, and their only impulse to browse in solitude and security, they withdraw instinctively before the slightest intrusion, and advantage is taken of this timidity and love of seclusion to cause only just such an amount of disturbance as will induce them to retire slowly in the direction which it is desired they should take. Several herds are by this means concentrated within such an area as will admit of their being completely surrounded by the watchers; and day after day, by slow degrees, they are moved gradually onward toward the immediate confines of the corral. When their suspicions become awakened and they exhibit restlessness and alarm, bolder measures are adopted for preventing their escape. Fires are kept burning at ten paces apart, night and day, along the circumference of the area within which they are detained. At last the elephants are forced onward so close to the enclosure, that the investing cordon is united at either end with the wings of the corral, the whole forming a circuit of about two miles, within which the herd is detained to await the signal for the final drive.

Suddenly the signal is given, and the silence is broken by shouts from the guard, the banging of drums and tom-toms, and the discharge of muskets. Amid this noise the elephants are driven forward to and through the gate, which is instantly closed to cut off their retreat. In a moment more they rush wildly about the enclosure, trampling the brushwood beneath their ponderous tread, and charge against the palisades, screaming with rage at each unsuccessful effort. By degrees their efforts slacken, and in about an hour the whole herd, exhausted and stupefied, stand motionless.

The next operation is to introduce the tame elephants into

the corral to aid in securing the captives. Cautiously the bars which secure the entrance are let down, and the trained elephants, each mounted by its mahout and one attendant, enter the corral. Around the elephant's neck is a strong collar composed of ropes of coconut fiber, from which hangs on either side cords of elk's hide prepared with a ready noose. Gradually each trained animal approaches one of the wild ones, until being sufficiently near, the noosier watching his opportunity, slips



SECURING CAPTURED ELEPHANTS WITH THE AID OF THE TAME ONES.

the noose over one of its legs. Immediately the tame elephant retires with its riders, drawing the rope tight, and hauling the captive toward some large tree. In this the other tame animals lend assistance, pushing with their heads and shoulders. The first tame one now winds the rope around the tree, and the others crowd up to the wild animal, and keep him in position while his other legs are being secured. The tame elephants in all these proceedings appear to feel a sportsman's interest, and are as eager to secure the victim as are their human assistants. Of their own accord they will perform any act which reason would naturally suggest for overcoming any difficulty that arises, or which seems necessary under any given circumstances. Thus Major Skinner relates an instance where a wild

elephant raised with her trunk the rope which had been attached to her foot, succeeded in carrying it to her mouth, and would have bitten it through and escaped, but was prevented by a tame elephant placing his foot on the rope, and pressing it downward out of her jaws. On another occasion, the same authority says a tame animal watched her opportunity, and placed her foot under that of the wild one as he raised it, so as to prevent his replacing it upon the ground, enabling the nooser to attach the rope.

In all this though the tame elephants bend all their energies to securing the captives, and seem to really enjoy what is going on, they show no malignity, carefully avoid doing any injury to the prisoners, and even when it is necessary in binding new animals to walk over those already secured—usually sprawling on the ground struggling to get free—they take the utmost pains not to tread on them.

When first secured, the elephant struggles fiercely to break his bonds, writhing in a manner one would think impossible for so bulky and unwieldly an animal. Failing in this, he seems to give way to despair, and utters the most pitiable moans. Food is now placed within their reach, which at first they spurn indignantly, the older ones frequently trampling it under foot. The milder ones, as they become composed, allow themselves to be tempted by the delicacies before them, and commence listlessly chewing the juicy morsels. The mellow notes of a kandyan flute sometimes aid in soothing and composing the captives. It may be remarked that elephants are greatly influenced by music, being soothed and quieted by soft plaintive melodies, while it is also recorded that in the old wars in which they were used, their courage in battle was excited by the martial strains.

The last operation of the corral is to slacken the ropes and march each captive elephant down to the river between two tame ones. Both of the tame elephants are furnished with strong collars, and a similar collar is formed on the neck of the wild one, who stands between them, by successive coils of cocoanut; then these collars are connected, and the prisoner made secure between his guards. Then the nooses which have confined his feet are removed, and the three animals march to the river, where they are allowed to bathe. After the bath the captive elephant is made fast to some tree in the forest, keepers are assigned to him, as well as a retinue of leaf-cutters, whose duty it is to keep him supplied with such food as he most relishes. These arrangements being made, he is left to the care of his new masters, who will see that he is trained up in the way he should go.

THE WAY THAT ELEPHANTS ARE TRAINED.

It is a very general impression that the training of these huge and powerful animals is a work of great difficulty and tediousness. This is a mistake. Elephants are naturally of a mild and docile nature, although hunters and travelers, to add luster to their own exploits, have represented them otherwise. Even the notorious "rogues" are not such wholly bad fellows as has been asserted by some of these writers, and the Mayne Reid style of natural history must be taken with considerable allowance. In their wild state it is very seldom that they attack any person or animal, unless provoked or assailed, and even when some heroic hunter sneaks up to shoot them unawares, or from some secure position peppers them with his rifle, the animals usually appear only anxious to escape from their aggressor.†

* Most readers are familiar with the term "rogue" as applied to elephants, but probably some are not aware of its exact meaning. A herd of elephants is a family, and not a group collected by accident or attachment. The usual number of individuals in a herd is from ten to twenty, though the latter number is sometimes exceeded. In their visits to water-courses and migrations, alliances are formed between members of different herds, thus introducing new blood into the family. If an individual becomes separated from his herd, however, he is not permitted to introduce himself into another. He may browse in their vicinity, or resort to the same stream to bathe or drink, but farther than this no acquaintance is allowed. An elephant who has lost his herd, and is by this habit of exclusiveness made an outcast, is a "rogue," and this ban under which he suffers tends to excite that moroseness and savagery for which rogues are noted. Another conjecture is, that as rogues are almost always males, the death or capture of particular females has led them to leave their herds to seek new alliances. A tame elephant escaping from captivity, unable to find his former companions, becomes of necessity a rogue.

† We could never experience any other feelings than disgust at the cruelty, and pity for the animals, at reading the sickening details with which, with a slaughter-house gusto, certain heroes have graced the narratives of their exploits. Gordon Cummings, gives an account of his pursuit of a wounded elephant which he had lamed by lodging a ball in its shoulder-blade. It limped slowly toward a tree, against which it leaned itself in helpless agony, whilst its pursuer seated himself in front of it, in safety, to boil his coffee, and observe its sufferings. The story is continued as follows: "Having admired him for a considerable time, I resolved to make experiments on vulnerable points; and approaching very near I fired several bullets at different parts of his enormous skull. He only acknowledged the shots by a salamander-like movement of his trunk, with the point of which he gently touched the wounds with a striking and peculiar action. Surprised and shocked at finding that I was only prolonging the sufferings of the noble beast, which bore its trials with such dignified composure, I resolved to finish the proceeding with all possible despatch, and accordingly opened fire upon him from the left side, aiming at the shoulder. I first fired six shots with the two-grooved rifle, which must have eventually proved mortal. After which I fired six shots at the same part with the Dutch six-pounder. Large tears now trickled from his eyes, which he slowly shut and opened, his colossal frame shivered convulsively, and falling on his side, he expired."

In another place, after detailing the manner in which he assailed a poor animal, he says: "I was loading and firing as fast as could be, sometimes at the head, sometimes behind the shoulder, until my elephant's forequarter was a mass of gore; notwithstanding which he continued to hold on, leaving the grass and branches of the forest scarlet in his wake. * * * * Having fired thirty-five rounds with my two-grooved rifle, I opened upon him with the Dutch six-pounder, and when forty bullets perforated his hide, he began for the first time to evince signs of a dilapidated constitution." The disgusting description goes close thus: "Throughout the charge he repeatedly cooled his person with large quantities of water, which he ejected from his trunk over his sides and back, and just as the pangs of death came over him, he stood trembling violently beside a thorn tree, and kept pouring water into his bloody mouth until he died, when he pitched heavily forward

The training is simple, and the intelligence and obedience of the pupil are developed with remarkable rapidity. For the first three days, or until they will eat freely, which they seldom do in a shorter time, the newly captured elephants are allowed to remain perfectly quiet; and if practicable, a tame elephant is tied near them to give the wild ones confidence. Where many elephants are being trained at once, it is customary to put each new captive between the stalls of half-tamed ones, thereby inducing it to more readily take to its food. The next stage of the training process is commenced by placing a tame elephant on each side of the pupil, with the "cooroowe vidahn," or head of the stables, standing in front, holding a long stick with a sharp iron point. Two men are then stationed one on either side, each holding an iron instrument furnished with both a sharp point and a hook. This is called a "hendoo" in Ceylon, and a "hawkus" in Bengal, and is the principal weapon used in guiding and controlling elephants, as it has been from very ancient times. This instrument is held toward the animal's trunk, while one or two assistants rub their hands over his back, keeping up while doing so a soothing and plaintive chant, interspersed with endearing epithets, such as, "ho! my son," or "ho! my father," or "my mother," as may be applicable to the age and sex of the captive. At first the elephant is furious, and strikes in all directions with his trunk; but the men in front receiving these blows on the points of their weapons, the extremity of the trunk becomes so sore that the animal curls it up close, and seldom afterward attempts to use it offensively. The first dread of man's power being thus established, the process of taking him to bathe between two tame elephants is greatly facilitated, and by lengthening the neck rope, and drawing the feet together as close as possible, the process of laying him down in the water is finally accomplished by the keepers pressing the sharp points of their



Medal of Numidia, giving a representation of an ancient hendoo.

hendoos over the backbone.

For many days the roaring and resistance which attend the

with the whole weight of his fore-quarters resting on the points of his tusks. The strain was fair, and the tusks did not yield; but the portion of his head in which the tusks were imbedded, extending a long way above the eye, yielded and burst with a muffled crash."

"Sport" is noble, but a butcher is not necessarily a sportsman, and a useless destruction of life, where no more danger is incurred than in a butcher's shambles, is not an absolute proof of courage or heroism, and the "noble hunters" have not the butcher's excuse for the bloodshed. Whatever of heroism there is in these encounters, we cannot help thinking, is displayed by the elephants, and not by their aggressors. For a hunter to put such achievements as we have just quoted on record merely displays the egotism and cruelty of the man.

operation are considerable, and it often requires the sagacious interference of the tame elephants to control the refractory wild ones. It soon, however, becomes

practicable to leave the latter alone, only taking them to and from the stall by the aid of a

decoy. This step lasts, under ordinary treatment, for about three weeks, when an elephant may be taken alone with his legs hobbled, and a man walking backward in front with the point of the hendoo always presented to the elephant's head, and a keeper with an iron crook at each ear. On getting into the water, the fear of being pricked on his tender back induces him to lie down immediately on the crook being held over him in terrorem. Once this point has been achieved, the farther process of taming is dependent upon the disposition of the creature.

The greatest care is requisite, and daily medicines are applied to heal the fearful wounds on the legs which even the softest ropes occasion. This is the great difficulty of training; for the wounds fester grievously, and months and sometimes years will elapse before an elephant will allow his feet to be touched without indications of alarm and anger.

The observation has been frequently made that the elephants most vicious and troublesome to tame, and the most worthless when tamed, are those distinguished by a thin trunk and flabby pendulous ears. The period of tuition does not appear to be influenced by the size or strength of the animals: some of the smallest give the greatest amount of trouble; whereas, in the instance of the two largest that have been taken in Ceylon within the last thirty years, both were docile in a remarkable degree. One in particular, fed from the hand the first night it was secured, and in a very few days evinced pleasure on being patted on the head. The males are generally more unmanageable than the females, and in both an inclination to lie down to rest is regarded as a favorable symptom of approaching tractability, some of the most resolute having been known to stand for months together, even during sleep. Those which are the most obstinate and violent at first are the soonest and most effectually subdued, and generally prove permanently docile and submissive. But those which are sullen or morose, although they may not provoke chastisement by their viciousness, are always slower in being trained, and are rarely to be trusted in after life.

But whatever may be his natural gentleness and docility, the temper of an elephant is seldom to be implicitly relied on in a



Modera hendoo.

state of captivity and coercion. The most amenable are subject to occasional fits of stubbornness; and even after years of submission, irritability and resentment will sometimes unaccountably manifest themselves. It may be that the restraints and severer discipline of training have not been entirely forgotten; or that incidents which in ordinary health would be productive of no demonstration whatever, may lead, in moments of temporary illness, to fretfulness and anger.

In his native country the first employment to which an elephant is put is treading clay in a brick-field, or to draw a wagon in double harness with a tame elephant. After this he is promoted to moving heavy stones or other material, or in piling lumber. In these occupations he has an opportunity to display that natural sagacity for which he is noted. It is only necessary to make him understand the object desired to be accomplished, and he will himself devise means to attain that result. In the detail of the work it is seldom necessary to prompt him, and he will even resent an attempt to compel him to adopt a different plan from the one he has selected. His trunk is the instrument on which he principally relies for moving timber and masses of rock; his tusks, if he possess them, are also of service. Most persons entertain an exaggerated opinion of the elephant's strength. It is currently believed that with but slight exertion he can uproot forest trees, and is in the habit of doing so as a species of mild recreation. It is true he is of considerable service in clearing paths through the jungle, but the removal of even a small tree is a matter of both time and labor. Another common error is the assumption that elephants are so thoroughly creatures of habit, that their movements are purely mechanical, and that any deviation from accustomed ways is excessively annoying and disconcerting to them. The best informed authorities assert that changes of treatment, or of hours of occupation, are as easily made as with a horse. Still another mistake, derived no doubt from the intelligence and earnestness he displays in work, is the idea that he actually enjoys his labor, and will perform his task as faithfully in the absence of his keeper as when he is present. The elephant, however, loves his ease, and unless his attendant has a watchful eye upon him, he will, on completing the task immediately in hand, stroll off to browse, or to enjoy the luxury of blowing dust over his back.

The impulse of obedience is very strikingly manifested in the patience with which, at the command of his keeper, he will swallow the nauseating medicines of the native elephant doctors. The fortitude with which he submits to excruciating

surgical operations for the relief of ulcers, would indicate that he comprehends in a measure the purpose of them. Obedience to his keeper's orders is not in all cases proof of a perception of the object to be attained by compliance. This is shown in the touching incident which took place at the slaughter of the elephant at Exeter, England, when after receiving fully one hundred and twenty balls in various parts of his body, and these proving ineffectual to end his existence, he turned his face to his assailants on hearing the voice of his keeper, and kneeled down at the accustomed word of command, so as to bring his forehead within view of the rifles.

The affection for his keeper is a great incentive to obedience on the part of the elephant, but although this attachment is often great, there is not that unwillingness to transfer his affection and obedience to a new keeper, which has been very frequently asserted. If treated with equal kindness he will obey readily and acquire an affection for a new attendant as soon as he becomes familiar with his voice. He no doubt often remembers an old friend and many of the anecdotes told of elephants recognizing an old keeper from whom they have long been parted, and being rejoiced thereat, are doubtless true. Founded on very good authority is the story of an animal of particularly stubborn disposition who, on the death of his keeper, refused to obey any other, until some attendants bethought them of a boy some twelve years old in a distant village where the elephant had been formerly picketed, and to whom it had displayed considerable attachment. The child was sent for, and on his arrival was immediately recognized with many manifestations of pleasure and to him the elephant yielded obedience, until by degrees he became reconciled to a new keeper.

HOW "HUNTING ELEPHANTS" ARE TRAINED.

Probably all readers are familiar with the fact that, in their native countries, elephants are not only used to aid in the capture of their own species, but also in the pursuit of various wild beasts of the jungle. In tiger hunting especially is this the case, and this sport furnishes one of the chief and most exciting amusements of the English troops in India. In this sport the elephant is rather an unwilling participant. In his wild state there is no occasion for any conflict between himself and other dwellers of the forest. Living entirely on vegetable food, and so under no necessity of preying upon other animals; too peaceful to molest others, and too powerful to be molested by them, in a state of nature each seems anxious to avoid rather than to provoke any encounter. Should a tiger and an elephant

meet in the jungle each would probably be only anxious to get out of the other's way as quickly as possible.

The principal difficulty in training elephants for hunting is to overcome the excessive antipathy, and even dread, they entertain toward tigers. To accomplish this a tiger's skin is stuffed and placed partially concealed among the undergrowth skirting some road. Along the road the elephant is then conducted; always observant, he quickly detects the unwelcome neighbor and considerable urging is required to induce him to pass it. After passing it several times he becomes more indifferent to its presence and may be gradually induced to approach it. Then he is made to turn it over and get thoroughly familiar with it; this accustoms him to the tiger in a state of quietude. Then the stuffed figure is thrown toward him and he is taught to receive it upon his tusks. The next lesson may be to drive his tusks into the body. The last operation is to teach the elephant to allow the stuffed tiger to be placed upon his back; this is the most difficult part of all.

When the elephant is properly trained and ready for service the hunter takes his place in the hondah—a sort of box-seat fastened on the animal's back—while the mahout sits astride the neck. Behind the hunter, in the hondah, rides the shikaree, or native gun carrier, whose duty it is to "play second fiddle" in the expedition. A number of natives are also usually employed as "beaters" to start the game. These men go on foot, seeking safety, in case of danger, by climbing trees or by being lifted up by the elephant upon his back. The elephants are now formed in line and the jungle beaten, in all parts if a small one, or if very extensive in those portions only which appear most likely to contain game. As soon as a tiger is started the line advances upon him, each hunter watching for an opportunity so fire as his elephant charges. Notwithstanding the most careful training instinct often proves an overmatch for the elephant's education and, he takes to flight in spite of all the driver's efforts to prevent him. One hunter relates an incident of his elephant being seized with a panic and dumping hunter, driver and all upon his back, into the very midst of a number of tigers which the party were in pursuit of.

In taking a dead tiger home the elephant lies on his side until the body is fastened to him, and then rises with it.

The liability to be seized with a panic at trifling circumstances is probably due in a measure to the elephant's limited range of vision, the short neck preventing his looking much above the level of his head. An anecdote illustrative of this is told by Sir J. E. Tennent: "In 1841 an officer was chased by an

elephant that he had slightly wounded. Seizing him near the dry bed of a river, the animal had his fore-foot already raised to crush him; but its forehead being touched at the same instant by the tendrils of a climbing plant which had suspended itself from the branches above, it suddenly turned and fled, leaving him bodily hurt, but with no limbs broken."

Elephants seldom use their tusks as weapons unless they have been trained to do so; their vertical position, and the structure of the neck preventing their being effective unless the object of attack being directly below them. The stories told of the execution of criminals by elephants when Ceylon was under the rule of native kings, generally describe the elephant as killing the victim by running its tusks through his body. An eye witness of one of these executions, however, says the animal never used his tusks at all, but placed his foot upon the prostrate man and tore off his limbs in succession by a sudden movement of the trunk. Hunters have frequently described their escape from elephants when the latter might easily have killed them by a thrust of their tusks, but apparently did not even know how to use them for that purpose.

The elephant's dependence is really upon his trunk and his ponderous feet. It is related that in an encounter between two elephants, one a tusker and the other without tusks, the latter proved the victor, breaking off one of the former's tusks with his trunk.

PERFORMING ELEPHANTS.

From very early times elephants have not only been used in war, in industrial pursuits, and to add to the pomp and display of powerful rulers, but ages ago they were made to amuse the multitude by performances not very dissimilar to those witnessed in our modern circuses. An old Roman writer describes a number of elephants exhibited in Rome by a nephew of the emperor Tiberius, who were taught "to twist their limbs and to bend them like a stage dancer,"—Roman stage dancers could not have been remarkable for grace or agility we should fancy—"the whole troop came forward from this and that side of the theater, and divided themselves into parties; they advanced walking with a mincing gait, and exhibiting in their whole bodies and persons the manners of a beau, clothed in the flowery dresses of dancers; and on the ballet master giving a signal with his voice they fell into line and went round in a circle, and if it were necessary to display they did so. They ornamented the floor of the stage by throwing flowers upon it, and beat a measure with their feet and keep time together." Another feature

of the entertainment was a banquet prepared for the elephants; "tables were placed then of sweet smelling wood and ivory very superb," with goblets "very expensive, and bowls of gold and silver." When all was ready the banqueters came forward, six male and an equal number of female elephants; the former had on a male dress and the latter a female; and on the signal being given they stretched forward their trunks in a subdued manner, and took their food in great moderation." The last exploit of these animals related by an old Roman was writing on tablets with their trunks, "neither looking awry or turning aside. The hand, however, of the teacher was placed



PERFORMING ELEPHANT.

so as to be a guide in the formation of the letters; and while it was writing the animal kept its eye fixed down in an accomplished and scholarlike manner."

In addition to the training elephants receive immediately after their capture, and which we have described, very little instruction is required to prepare them for those performances which delight circus-goers. The performances in question consist usually of lying down, walking on their legs, standing on the head, walking up an inclined plane formed of a narrow plank, standing on a pedestal, holding a rope for a dancer or acrobat to perform upon, and similar feats. These are nearly all but modifications of his labors when a captive in his native country. Holding a line for a gymnast is not very different to the elephant from doing the same thing to draw a load or raise a weight.

In compelling the elephant to perform these acts advantage is taken of the fact that the feet of the elephant are peculiarly sensitive and he dreads any injury to them. While a spear held

at his head will cause him little uneasiness, if the same be directed toward his feet it will cause him to display evident symptoms of anxiety. So by threatened attacks he may be induced to move in any desired direction. By tapping them gently from below he may be made to raise them; and by persevering he is made to raise both hind feet—lowering his head as a natural result of this rear movement—and thus is accomplished the feat of standing on his head. In the pedestal performance the pedestal is comparatively low, and with the upper surface of just sufficient area to accommodate the elephant's four feet, placed close together. He is first made to place one



PERFORMING ELEPHANT.

fore foot upon this, then the other, and then in succession the two hind feet. The trainer must be watchful and prevent the elephant's very natural attempt to replace his fore feet on the ground when he places his hind one on the pedestal. This is done by striking his toes whenever he makes the attempt.

The delicacy of touch possessed by the elephant's trunk enables him to use it for many purposes with as much dexterity as a human being would his hands. Thus he easily performs the amusing trick of opening and drinking a bottle of soda water; holding the bottle with his feet while he removes the cork with his trunk and then lifting the bottle in his trunk and pouring the contents down his throat. Similar tricks are readily acquired by the elephant without any particular training, all that is necessary in the soda-water trick is to let him know there is something in the bottle and his ingenuity may be depended upon to get at the contents. We some years ago witnessed a novel feat at a circus. A small table was brought

into the ring and the clown seated himself on one side of it. On the other side the elephant who had been performing squatted on his haunches. The "supes" then brought in plates of apples, bread, etc., and arranged them on the table. A large two-pronged fork was now handed to the elephant, and with this he dexterously "speared" his provender and conveyed it to his mouth. This appeared quite wonderful, and was hailed with rounds of applause, but it was a trick very easily taught. The animal had been first given apples on a fork, and not being allowed to eat them except on taking them off the fork with his mouth he soon learned to do so. Then he was given the fork, and the apples placed before him, his trunk was guided by his trainer's hand to strike the fork into the apple and then he was allowed to carry it to his mouth. If the apples be good ones he will soon learn to do all this without prompting, and will very willingly perform the trick for the sake of the "perquisites."

We do not imagine that many of our readers will have occasion to train an elephant; still there is often an opportunity afforded at traveling exhibitions, should you desire it, to make an elephant go through a little performance for you, such as picking up your hat, catching apples or nuts thrown him, etc. A judicious outlay in ginger-bread and like delicacies will induce his elephantship to be quite obliging, and if your stock of edibles be purchased at the stand in the tent, probably the proprietors will offer no objection to your feeding their elephant with them.

Speaking of amateur elephant exhibitors recalls an adventure of our own youthful days. Visiting a menagerie early one afternoon when comparatively few visitors were present, and anxious to "show off" before some less venturesome youths, we had, at the expense of all our pocket money, caused one of the elephants to pick up our cap when thrown down and hand it back to us, to insert his trunk in our pockets after cake, and finally, as a crowning feat, to take bits of cake from between our lips. Had we been contented with these achievements our performance would have been a triumph; but, alas, our ambition was not satisfied, and we thought it would be a still greater display to make the elephant take the cake from the *inside* of our mouth. So a piece was a placed therein and the mouth held invitingly open. Mr. Elephant unhesitatingly inserted his proboscis, but unfortunately our supply of cake had been well nigh exhausted, and the piece used for the experiment was *very* small, so either from inability to find it, a mistake in the article, or as a punishment for reducing the rations, he got hold of our tongue, and the first thing we knew he was attempting to pull it

out. Luckily his keeper came to our rescue at this critical moment, and we retired uninjured but rather crestfallen.



CHAPTER XIII.

LIONS, TIGERS, LEOPARDS AND PANTHERS.

UNQUESTIONABLY the lion in his native wilds, with his appetite keen from forced fasts, is a fierce and formidable adversary to meet with, and well worthy the title of "king of beasts." But it is well established by travelers and hunters that when his appetite is satisfied he will seldom attack a man unprovoked, often passing harmlessly by; and will even permit his best relished prey, the antelope, to come to his neighborhood for water, without molestation. He is comparatively gentle in a state of captivity, more to be depended upon, and less treacherous, than the tiger, and has been preferred to the tiger by tamers in all ages.

When taken young he is tamed with little difficulty, and, while a cub, may be handled and caressed like a great kitten. As he grows larger he becomes so rough in his play that he is liable unintentionally to inflict injury. Hunters who capture a family of cubs generally sell them to individuals who make a business of buying up young animals in their native countries, to be forwarded to correspondents in various parts of the world. This is the way in which nearly all the wild animals on exhibition are procured.

When an animal "on the road"—which is the technical term for moving with a traveling exhibition—is so unmindful of the interests of his owners as to die, the showman telegraphs to a dealer in wild animals, and often within twenty-four hours another is on his way to supply the vacant place. Sometimes, if the dead animal has acquired a reputation, the new one assumes his name as well as his duties, and the public never suspects there has been any change.

Until bought by the exhibitor lions are considered merely as articles of merchandise, to be kept in good condition, and, when ordered, to be packed and forwarded with due care and despatch. The dealer in wild animals does nothing in respect to taming them, though a second-hand animal which has been tamed sometimes comes into his hands. If it is desired to tame a

lion for the exhibition of the "lion king" he is bought when young; if merely for ordinary exhibition this is not essential.

The taming is accomplished mainly by mild measures. The young lion is regularly and plentifully fed, his food being given to him by the tamer. As we before remarked a cub may be handled with as much freedom as a kitten, and if this be kept up regularly, the animal becomes so accustomed to it as not to resent it when he grows older. Besides, all animals of the cat kind are fond of having their heads scratched and their fur stroked, and even such a trifling matter as this aids the tamer in soothing and gaining the good will of the animal. Being fed immediately after these familiarities the lion soon hails them



THE "LION KING" PERFORMING.

with pleasure, as the precursor of his meal. Any misbehavior, such as scratching, biting, or defiance of the tamer is punished with a blow from the butt of a heavy whip, and in extreme cases by the deprivation of his supper.

It is sometimes necessary to reduce an old lion to submission or to inspire with more awe one which does not entertain sufficient respect for the tamer. The animal is usually well fed; this dulls his anger at the tamer's intrusion, as well as makes his resistance more easily overcome. Armed with a club, the tamer enters the cage, and standing in such a position as to prevent the lion approaching from the rear, he waits the animal's onset. This is always a ticklish position, requiring a cool head and steady nerves, but the captive animal with a full stomach

is not like a wild one ravenous for food, and he is pretty sure to submit sooner or later. Watching the animal's eye steadily, the tamer can ordinarily detect his intention to spring, and be prepared to receive him with a blow from the club. This he repeats at each approach of the animal until the latter slinks to the farther end of the cage and ceases his attacks. This is enough for one lesson; the next day the animal will probably only gaze sullenly on the tamer upon his entering the cage. As he becomes accustomed to the man's presence he will permit him to handle him, but these are not the ones in whose mouths the tamer places his head. To place your head in the mouth of a lion who bears you ill-will is a dangerous proceeding, and there is a probability that he would seize such a favorable opportunity to pay off old scores.

Burning torches and heated irons are sometimes resorted to as aids in subduing unamiable and obstinate animals. These are used more frequently for tigers than for lions. More reliance may be placed upon a lion's affection than a tiger's; the tiger must be made to fear the tamer so much that he will not dare to commit any overt act.

The training of an animal of course adds very greatly to his value, therefore great pains are taken with the lion's education. The lion, if gentle means have been adopted, often becomes attached to the tamer, and will go through his performance with even a sort of pleasure. This performance usually consists in the "lion king" entering the cage, caressing the lions, and then proceeding to show the audience what he dares to do with the animals. Opening the mouth, showing the teeth and tongue, pulling out claws, and the more startling feat of putting his head in the lion's mouth, are the customary performances. Taking the lion by the tail is a familiarity occasionally, though seldom, indulged in.

When the man places his head in the lion's mouth it will be noticed that he holds the jaws with his hands. This is generally, but erroneously, supposed to be done to prevent the animal closing his mouth; should he feel so inclined, the man's strength would avail but little against the powerful muscles of the animal's jaws; his real object in holding the jaws is to prevent the exceedingly rough tongue of the lion coming in contact with and lacerating his face. When this feat is performed in private it is usual to protect the face with a sort of hood of stout cloth. Most of the injuries, to lion tamers, which occur in the performance of this feat, we believe to be purely accidental. An incipient cough, a tickling in the throat or some other trifle is liable to cause a spasmodic closing of the jaws, and the crushing

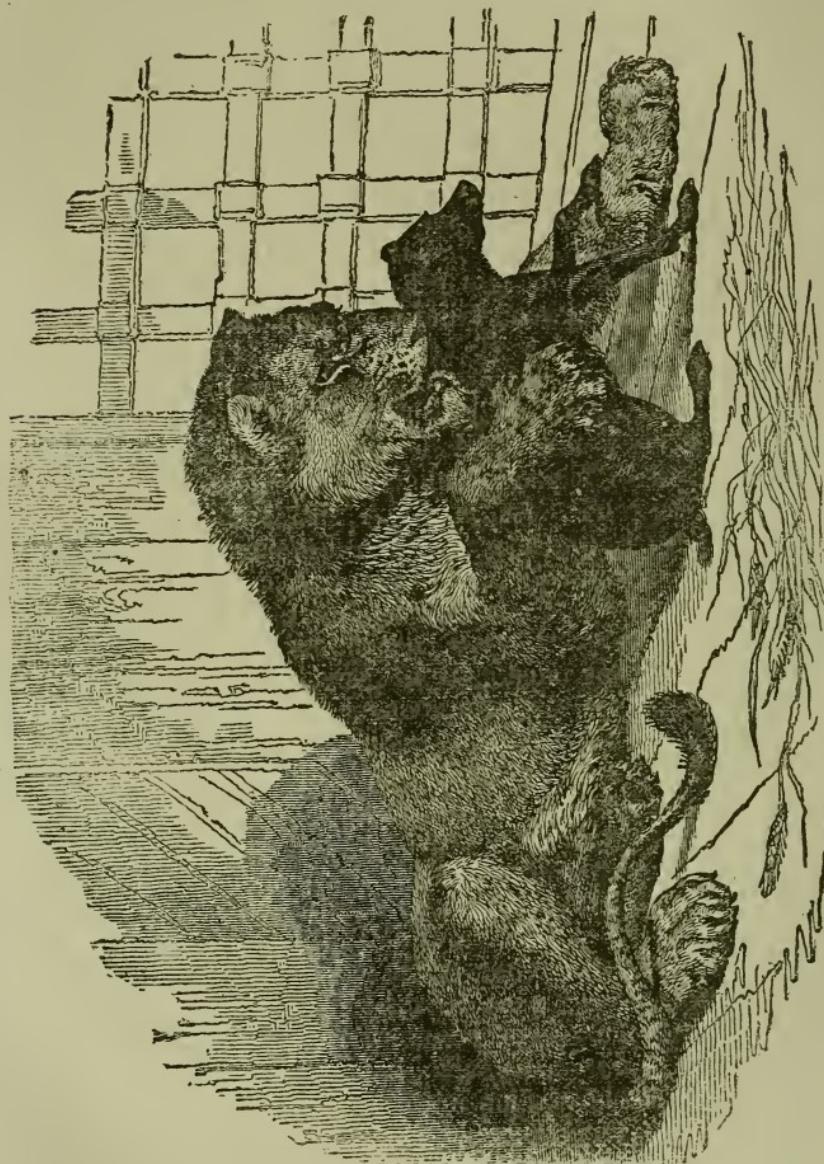
of the tamer's head before he or the lion has any idea of what is going to happen.

Some lions will permit strangers to enter their cages in company with the tamer. Some will even permit little familiarities from visitors under the protection of the tamer. Nero, a lion of peculiarly gentle disposition belonging to a menagerie travelling in Scotland, seemed even pleased to receive visits from persons whom his master saw fit to introduce into his cage, and would treat them very graciously. When last in Edinburgh a nightly exhibition was given of visitors riding and sitting on his back, Nero the while preserving a look of magnanimous composure, only slowly looking around at the entrance of a new visitor. Another lion, in Amsterdam, would jump through a hoop and barrel; then through the same covered with paper; and finally through hoop and barrel with the paper set on fire. This last part he evidently disliked, but with some coaxing would do it. When given meat in public he would show his forbearance by allowing some of it to be taken from him, submitting with only a short clutch and a growl; but his countenance lost its serene expression, and he would probably not long have submitted to this tampering.

A keeper of wild beasts in New York had provided himself with a fur cap on the approach of winter. The novelty of this costume attracted the attention of the lion who made a sudden grab at it, as the man passed the cage, and pulled it off his head. As seen, however, as he discovered it was the keeper's he relinquished the cap and laid down meekly on the bottom of his cage. The same animal hearing a noise under his cage put his paw through the bars and hauled up the keeper, who was cleaning beneath. Seeing it was his master he had thus ill-used, he immediately laid down upon his back in an attitude of complete submission.

The temper of the female is generally milder than that of the male previous to her having young. No sooner, however, does she become a mother than the ferocity of her disposition becomes ten-fold more vigorous, and though she will sometimes permit the keeper to enter the cage and attend to her wants, too near an approach, or any interference with the cubs would prove extremely dangerous. When disturbed by visitors the lioness displays great anxiety for her young, carrying the cubs in her mouth, apparently desirous of hiding them. This anxiety begins to diminish when the young ones reach the age of about five months. Lions are quite frequently born in captivity, but few of these reach maturity, many dying at the time of shedding their milk teeth.

There was at one time in the Jardin des Plantes, Paris, a lioness which permitted a dog to live in her den, and to which she became strongly attached. The dog was equally fond of



THE LIONESS AND THE DOG.

her, gamboling with and caressing her in the highest possible spirit. The lioness was most attentive to all his wants, and when the keeper let the little creature out for exercise she seemed exceedingly unhappy till he returned.

A lioness kept in the Tower of London in 1773 had for a considerable time been so attached to a little dog who was kept in her den that she would not eat till the dog was first satisfied. When the lioness was near her time of whelping, it was thought advisable to take the dog away; but shortly after, when the keepers were cleaning the den, the dog by some means got into it and approached the lioness with his wonted fondness, while she was playing with her cubs. She made a sudden spring at him, and seizing the poor little animal in her mouth, seemed on the point of tearing him to pieces; then, as if suddenly recollecting her former kindness, she carried him to the door of the den and allowed him to be taken out unharmed.

One of the most interesting cages in the Zoological Garden, London, is that containing a family party consisting of a mastiff with a lion and his mate. They were brought up together from cubhood, and agree marvelously well, though the dog would prove little more than a mouthful for either of his noble companions. Visitors express much sympathy for him, and fancy that the lion is only saving him up, as the giant did Jack, for a future feast. But this sympathy seems uncalled for, as Lion (so the dog is named) has always maintained the ascendancy he assumed as a pup, and any rough handling on the part of his huge playfellows is immediately resented by his flying at their noses. Although the dog is allowed to come out of the den every morning, he shows a great disinclination to leave his old friends. It is, however, thought advisable to separate them at feeding time.

The taming of wild beasts has not been confined to modern times. In the palmy days of the Roman empire they were trained and led in the triumphal processions so common at the time when Rome was almost master of the world. Lions were even made, occasionally, to draw the chariots of some victorious general, symbolical of his prowess. For many generations, various powerful Indian sovereigns have had beasts of prey tamed and kept near the throne on state occasions. More frequently, however, they were employed in the execution of criminals or persons who had offended the despot. King Theodore of Abyssinia possessed quite a number of tamed lions. Of his four special favorites, one named Kuara was the most docile and intelligent. When the king received an embassy he gave audience to the messengers surrounded by a court of lions instead of a crowd of courtiers and a guard of soldiers.

The couguar, or American lion, is one of the gentlest of the species, easily tamed, becoming harmless and even affectionate, even toward comparative strangers. This animal is

frequently met with in menageries, his docility and the ease with which he may be taught to leap and climb, rendering him a favorite for these collections. He is much pleased with the society of those persons to whom he is accustomed; lies down on his back between their feet, toys with their garments, and acts very much like a playful kitten. He has a great predilection for water, and, if provided with a tub of that liquid, will jump in, souse around in it, and jump out again highly delighted.

Tigers being more treacherous and less influenced by kind treatment than lions, tamers generally prefer to have as little to do with as possible. This rule, however, is not without an exception; the natives of India tame tigers more frequently than lions, and the tame tigers of the fakirs, the celebrated "royal tigers," natives of Hindoostan, naturally the most powerful and ferocious in the world, exhibit great gentleness and confidence—attributable doubtless to the ample way in which they are fed. In this country tigers are principally kept merely as objects of curiosity and few efforts are made to tame them. When taming is deemed desirable, resort is generally had to intimidation. An old tiger can seldom be subdued except by brute force; a crowbar is more effective with him than kindness, though when once rendered tractable, kindness succeeds severity in his treatment.

Tigers are not, however, entirely destitute of affection, and this is sometimes manifested toward the person who has reared them. An example of this kind, a tigress in the town of London, may be familiar to the reader. This animal on its arrival in London grew very irascible and dangerous, from the annoyance of visitors and the bustle on the Thames. After she had been here some time her old keeper visited the tower and desired to enter the cage. So sulky and savage had the beast become that the superintendent feared to grant this request, but was finally prevailed on to do so. No sooner, however, did the animal catch sight of her old friend than she exhibited the utmost joy and on his entering her cage, fawned upon and caressed him, showing extravagant signs of pleasure, and at his departure cried and whined for the remainder of the day.

The cowardice of the tiger is well known. This characteristic is illustrated in the contests between buffaloes and tigers exhibited in India. The tiger seems to menace the spectators, swelling his fur, displaying his teeth, and occasionally snarling and lashing his sides with his tail. As soon as the buffalo enters the enclosure, the tiger "sinks into the most contemptible despondency, sneaking along under the palisade, crouching and turning on his back, to avoid the buffalo's charge. He tries

every device his situation will admit, and often suffers himself to be gored, or to be lifted from his pusillanimous attitude by the buffalo's horn before he can be induced to act on the defensive. When, however, he really does summon up courage to oppose his antagonist, he displays wonderful vigor and activity, although he is generally conquered."

Perhaps the cowardice of the tiger in the above instance is due to the consciousness of his inability to cope successfully with his adversary, and may be a specimen of "discretion being the better part of valor," but the following incident related of a tiger kept at the British residency in Calcutta, gives an amusing example of absurd terror from a most insignificant cause: "What annoyed him far more than our poking him up with a stick, or tantalizing him with shins of beef or legs of mutton, was introducing a mouse into his cage. No fine lady ever exhibited more terror at the sight of a spider than this magnificent royal tiger betrayed on seeing a mouse. Our mischievous plan was to tie the little animal by a string to the end of a long pole, and thrust it close to the tiger's nose. The moment he saw it he leaped to the opposite side; and, when the mouse was made to run near him, he jammed himself into a corner, and stood trembling and roaring in such an ecstasy of fear that we were always obliged to desist in pity to the poor brute. Sometimes we insisted on his passing over the spot where the unconscious little mouse ran backward and forward. For a long time, however, we could not get him to move, till, at length, I believe, by the help of a squib, we obliged him to start; but, instead of pacing leisurely across his den, or making a detour to avoid the object of his alarm, he generally took a kind of flying leap, so high as nearly to bring his back in contact with the roof of his cage."

Tigers will not submit like lions to the intrusion of idle strangers into the cages, but any professional trainer can ordinarily enter the cage and exhibit any properly broken tigers without special risk. There are men ready to accept engagements for performing with animals whom they may never have seen before the day of exhibition; fear being the controlling influence with the beasts, it is only requisite that the man shall show no timidity, and compel obedience by whatever severity may be necessary. The statement that belladonna or the leaves of datura stramonium are put in the food of tigers to act on their nervous system and create hallucination and terror, is, we believe, unfounded; no hallucination equals the simple reality of a heavy iron bar.

The tiger's cage is not altogether without its dangers. A

story told of Tom Nathan, once well known in connection with circus exhibitions, gives one illustration of the feelings attendant upon non-success. He began public life as clown. In his later years his hair was snowy white, but he relates that it became so, not in consequence of his years, but from an alarming accident which befel him during his career in the saw-dust. There was a tiger in the show with which he was connected, and the man who bearded the tiger in his den having, on one occasion, struck for higher wages, Nathan volunteered to take his place. Boldly he entered the cage, but as soon as he did so, the animal resented the intrusion and seized him by the fleshy part of the body immediately below the small of the back. The fear of being chewed, the pain of the laceration of his flesh, and disappointed ambition combined, blanched his hair in a moment. He went into the cage a fair haired youth, and was taken out, as soon as he could be secured, a white headed old man.

The following is a bit of experience, related to an English correspondent, by an old English tamer named Norwood, long employed by Jamrach, an extensive animal owner of London :

" Whenever I 'ave a few words with Mr. Jamrach, which I had a few not many weeks ago, I takes to the show business, and am allers ready to go in. This 'ere scar" (baring an arm and showing a deep flesh wound, recently cicatrized) " I got on the Kingsland road, on the 20th of this month. A Bengal tiger it was, and I was a-performing with the same beast as was at the Crystal Palace a short time afterwards. Me and Mr. Jamrach 'ad 'ad a few words, we 'ad, and I took up with the performing, which I'd been accustomed to. Well, I see the tiger for the first time at four in the arternoon ; and I goes into her den, and puts her through her anky-panky at eight. As a matter o'course I 'ad to giv' her the whip a bit, and she not knowing my voice, don't you see, got fidgety and didn't like it. To make matters worse moresumever, this tiger bein' fond of jumpin', they went and shortened the cage, so that when I giv' the word she fell short of her reg'lar jump, and came upon me. I don't believe she meant mischief; I only fancy she got timid like, and not being accustomed to what she 'ad under 'er, she makes a grab and does wot you see. The company got scared like; the ladies screamed, and the performance was stopped for a time. What did I do ?—why, directly they came in with iron bars and made her loose her hold, I jest giv' her the whip agen, and made her go through the jump till she got more satisfied like ; but she was timid, very timid, to the last, and tore off the flesh right to the elbow here. No, sir, I never stopped the performance after the first time, though I was being mauled above a bit, while the

people was a clapping their 'ands, and 'ollering 'angcore.' It don't do with beasts to let 'em think you're uneasy, so each time she tore me with her claws, I just giv' her the whip, till she saw it wouldn' do."

Leopards and panthers, although sometimes confounded even by naturalists, are strictly different animals, though so near alike that any statements in regard to the training of one will be equally applicable to the other. They are both quite common in menageries, and are often among the dwellers in the "den of beasts." Leopards—and what we say of the leopard's character or training applies equally to the panther—are of a comparatively gentle disposition, and, unless hungry or annoyed, is generally harmless. Even in a wild state a person may come across them without being harmed, though it is said they are more dreaded at the Cape of Good Hope, than the lion, for they steal silently and treacherously upon their prey while he gives warning of his approach by terrific roarings.

Illustrative of the leopard's peaceful disposition an amusing story is told of a Cape farmer who once surprised a group of seven leopards reposing on a clump of scattered rocks. In the excitement of the moment, with scarcely a thought as to the probable consequences, he fired his single-barreled gun at them. Instead of returning this attack, the leopards seemed more surprised than angry at the report of the gun, and instead of turning their attention to the imprudent intruder some of them leaped on their hind legs, and pawed the air as if trying to catch the bullet which had gone whistling by their ears.

The leopard is tamed easily, and is usually the animal selected to perform the leaping and similar feats which form a prominent portion of the "lion king's" exhibition. Care is taken to select an individual who shows an inclination and aptness for these exercises. In this case the training is a mere trifle; the tamer corners the leopard up in one end of the cage, and holding his whip in a horizontal position close to the floor, he gently stirs the animal with his foot, giving at the same time the command, "up!" or "hi!" To escape the annoyance the leopard will spring over the whip, and the lesson is repeated until he does so promptly, on its being placed in position and the order given. Then the tamer may raise one of his legs and hold the whip at its side, and the leopard will leap over the leg. The same plan may be adopted with other articles such as poles, banners, etc., or even the trainer's own head. Jumping through a hoop is the next lesson; the hoop to be held in one hand while the other hand holds the whip, with which the lower part of the hoop is to be tapped when the command "up!" or "hi!" is

given. The hoop is at first held low down and close to the animal, but it may be gradually elevated as the lessons continue until the leap is as high as the cage will permit. Covering the hoop with paper adds a little to the attractiveness of this feat, and, of course, the leopard experiences no difficulty in going through a single thickness of paper.

It is a harder task to induce the animal to jump through a hoop in which a number of small lights are arranged so as to form a fiery circle. The animal's natural dread of fire makes him dislike anything of which fire forms a part, but if the hoop be at first of large size and the lights few, he will, if perseveringly urged, by-and-by venture. Experiencing no harm he will gradually become bolder, and the size of the hoop may be decreased and the lights increased until a wreath of fire is formed barely large enough for him to pass through; the rapidity of his passage will prevent his being hurt by the flames. A similar mode is adopted for teaching lions, though they are less frequently taught these tricks.

The large cage in which the tamer's public exhibitions take place is divided into several compartments by iron gates; each animal has his allotted division and the gates prevent any intrusion by the other animals. It is only when the tamer is in the cage that these-gates are opened; then they swing back against the sides, forming one large cage. The animals are very jealous of any encroachment of the others, upon their accustomed space, and the tamer must be watchful to prevent quarrels when they are thus all thrown together. It is easier to make the beasts submit to a man's presence than to the presence of one another. It is seldom that the tamer is assailed, but many a time has one of the animals been killed during these performances, without the spectators having any suspicion of the fact. A sudden bite at the back of the neck crushes the spine and the victim sinks upon the floor without a sound, dead. The audience suppose he has lain down because his part of the performance is over—and so it is.

Wild animals kept in confinement are subject to spells of sulkiness, at which times their management requires great judgment and care on the part of the tamer. These sulky moods are premonitions to the tamer of danger, and he makes it a point whenever passing the cages to glance at the animals' eyes to detect any suspicious looks. It is during these fits that most of the casualties occur.

Women have in several instances ventured to assume the rôle of "lion queens." Some years ago one of these was traveling with a show, through the country, whose husband, we have

been told, had been a lion tamer, and had been killed by one of the animals. Before his death this man had sometimes allowed his wife to enter the cage with him, thus accustoming the animals to her presence—though with no thought, probably, of her ever performing them professionally. Exactly how it came about we cannot tell, but probably she saw no other means of support; at any rate, in the very cage in which her husband met his death she set out to win her daily bread. We cannot vouch for the story; we cannot now even recall the name of our informant; but for all that it may be true. We only remember that she was harsher toward her animals than are most masculine members of the profession, and it is possible she was meting out to them a sort of “poetic justice” for the murder of her husband.

Children have at times been introduced into these cages to make the exhibition appeal more strongly to the sympathies of the audience. The public always flock to see these scenes, however they may cry out against the barbarity of exposing a child to the danger of being torn to pieces by wild beasts. In one or two cases a little girl has entered the cage entirely alone and performed the animals; but animals are often more tractable with children than with grown persons, as probably many of our readers have witnessed in the case of savage dogs. Mrs. Bowdich says of a panther kept at Cape Coast, Africa, as the pet of an officer, that he was particularly gentle with children, lying by them as they slept. Even the infant shared his caresses without the slightest attempt on the animal's part to injure the child. Besides this docility with children the tamer is always near at hand, sometimes in the guise of an attendant, keeping a watchful eye upon the animals, and ready to lend prompt assistance should it be required.

In Persia the leopard is trained to hunt gazelles just as a falcon will hunt herons. The huntsman provides the leopard with a hood, which can be drawn over his face and mouth, and seats him on his saddle-bow. The moment a deer or gazelle is sighted the leopard's head is uncovered, and he is let down from the horse. In one or two bounds, according to the distance, the leopard springs upon the back of his prey and seizing it by the neck brings it to the ground. The huntsman then comes up, and after caressing the leopard, who has already begun to feast upon the prey, he gives him a piece of meat to divert his attention, and slipping on the hood restores him to his place upon the saddle-bow. When the leopard fails to bring down the prey, which rarely happens, he hides himself and lies down, and can only be prevailed on to renew the chase by repeated caresses.

CHAPTER XIV.

TAMING WILD ANIMALS IN GENERAL—SQUIRRELS—BEARS—
BUFFALOES—WOLVES—HYENAS—RHINOCEROSES—
HIPPOPOTAMI—CROCODILES—ALLIGATORS.

ALL our present domestic animals having sprung from wild stock, it is not very remarkable that many other animals now found in a state of nature, may be rendered equally gentle and obedient under proper treatment. As the taming of these animals answers no purpose save the gratification of public curiosity, the number is comparatively small, for as soon as a tame bear or buffalo ceases to be a novelty the most profitable thing for his owner to do is to chop him up into steaks. Whatever may be the ferocity of an animal that has reached maturity, this characteristic is almost wholly lacking in his infancy, consequently most of the tamed animals have been captured young, and accustomed for the principal part of their lifetime to captivity.

All wild animals when captured, after they have reached an adult age, display at first a passionate resistance to confinement and all efforts to soothe them. While this lasts it is usual to keep them without food. The exhaustion induced by this deprivation greatly aids in quelling their rage, besides teaching them the hopelessness of resistance. With cubs this is scarcely ever necessary; though they sometimes display anger, they are so easily overpowered or restrained from mischief, that it is hardly worth while needlessly to make them suffer hunger. As soon as the old ones become quiet they are fed by the tamer, who thus lays the foundation of their future good will. Animals in menageries are, as a rule, fed one full meal each day, with the exception of Sunday, on which day they get nothing to eat. This fast is intended to keep them in health, and to rest their digestive organs, and is nothing to animals who can go for days or even weeks without food if necessary.

Small animals, such as squirrels, etc., may be tamed without difficulty, even if captured when arrived at a considerable age. Gentle treatment, the avoidance of any teasing or aggravating, and a gradual increase of the tamer's familiarity with the captive, will be all that is requisite in most cases. When tamed, the animals may be taught tricks of various kinds in the same manner that we have elsewhere described for teaching the same performances to other animals.

A squirrel, if captured when moderately young, can be tamed in a couple of days by merely carrying him in your pocket. The warmth of the pocket will be pleasant to him, and by giving him a nut occasionally you will convince him that you mean well toward him, and so gain his confidence. At first, care must be taken to prevent his escape, but by-and-by he may be allowed to come out and go in at his pleasure, and he will run about your lap with the greatest familiarity. With flying squirrels this method of training is particularly successful.

Squirrels and many of the small wild animals can be made tame by any boy who is willing to devote sufficient time and patience to the object. In some cases it is not necessary to capture the animal. We have known instances of animals, particularly squirrels, being made so tame that they would of their own accord come to the tamer on hearing his voice. There was no great mystery in their docility; food had been at first placed in places frequented by them, the person so placing it retiring to a distance. By-and-by the animal would come and eat the food, perhaps glancing suspiciously at the distant figure, but if the person made no motion to startle him, he would continue his meal.

This placing of food would require long continuance, the person each time remaining a little nearer than before, until, in time, the animal would have no fear even in his immediate vicinity. Then bits of food may be gently dropped down for him, and if the tamer stands quietly they will probably be picked up. Then the tamer may step backward and again drop a morsel; the animal will advance to get it, and at last he may even become so familiar as to eat from the hand. A squirrel who has been so far tamed may then easily be taught to climb over the tamer's person by enticing him forward with some dainty. We have seen a squirrel induced to go through quite a variety of little performances, standing erect, leaping, and climbing wherever desired, lured on by a kernel of corn at the end of a piece of string.

Of the larger animals, bears have always been favorite subjects with trainers. Considerable difficulty and danger is encountered in securing the cubs, owing to the ferocity and courage with which the mother bear defends her young. The old bear is in most cases killed before the capture of the young ones can be accomplished. During the infancy of the cubs the old he-bear ungallantly deserts the partner of his bosom, and takes up his quarters at a distance, to avoid annoyance by the cries of his progeny; so the hunter often escapes trouble with the head of the family. Bears are born blind, like puppies, and

remain so for about eight or nine days. With care they can be raised even if taken when only four or five days old. The black bear attains his full size when eight or nine years old.

Bears like many other animals have been called upon to lend their aid in theatrical displays. A frightful scene occurred some twenty years ago at the theater of Czerny, in Bohemia, during the performance of a *mélo-drama*, called the "Bear of the Mountains," the principal performer in which was a bruin of such wonderful docility and dramatic talent, that for a long succession of nights he attracted overflowing audiences. On this occasion, however, something had put this star out of humor, and he was observed to be wanting in those brilliant displays of the histrionic art which had previously overwhelmed him with applause. In the third act, instead of coming down the mountains by a winding path, with the slow and solemn step, as set down in the prompter's book, he alighted on the stage at one bound.

On his return behind the scenes he received reproofs, which, instead of improving, made his temper still more sullen; and it was with difficulty he could be prevailed on to go through his part. In the last scene he was induced to commence a waltz with a young and beautiful peasant girl, and seemed to take so much enjoyment in the dance, that the whole audience were raised from their seats, and, standing on the benches, drowned the sounds of a powerful orchestra with their acclamations of praise and delight.

In a moment, however, the joyous spectacle was changed into one of horror; a piercing shriek was heard above all the combination of noises; the stage was one moment in the utmost confusion, and the next was clear of every performer except the bear, who appeared with his muzzle unfastened, and hanging around his neck; and after making a wide display of his tremendous gullet, leaped into the orchestra, which, as may be easily imagined, was as vacant as the stage. The flight of the audience was equally as quick, but the consequences more serious. Numbers were severely crushed and bruised in the struggle at the doors, and several were dreadfully injured by being thrown down and trampled upon. After a pause, a platoon of soldiers went into the pit with fixed bayonets and loaded barrels, and ordered to bring out the cause of all the evil, dead or alive; but they found him, like other great actors who have performed their parts and become exhausted by their exertions, taking his repose on one of the benches, and incapable or unwilling to make any resistance.

The performances of bears consist almost entirely of natural

actions, such as walking erect, climbing, leaping, and the like. These are arranged to form a variety of feats; that of a bear riding around the ring, in a gig drawn by a pony, is very simple, the bear being only required to set erect, and hold the reins in his paws. Carrying articles, as when acting waiter, is natural. Standing on their heads and turning somersaults are probably feats not commonly indulged in in a state of freedom; they are taught by rapping the hind legs until the animals take the desired position or make the desired turn-over. The most pretentious bear show within our knowledge was that of "Old Grizzly Adams," a hunter who managed to collect quite a number and variety of bears, which were exhibited some years ago. Laughing, crying, singing, and other bears were advertised as belong-



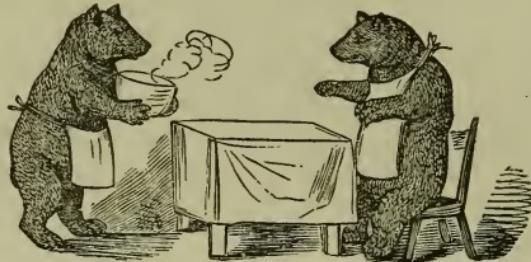
DANCING BEARS IN COSTUME.

ing to this collection; but the laughing, crying and singing were the mere natural voices of the bears, and all so nearly alike that only a vivid imagination enabled the hearer to distinguish between the laughing, crying, and singing. Some gaudy costumes tickled with their ridiculousness the fancy of the audience, and the exhibition gave very fair satisfaction.

Little bears are intensely amusing, and they display a great fondness for romping and playing. We have known of hunters bringing cubs home, and adopting them, as it were, into their families, the bears becoming exceedingly familiar, sleeping with the children, and eating from their bowls of bread and milk, climbing into the hunter's lap and licking his face, and, in fact, making themselves perfectly at home. As they grow old, however, they are liable to become enraged at teasing or other provocation and to be dangerous.

Bears sometimes acquire a fondness for liquor, and this article

is in some cases used by trainers as an inducement or reward for performing. Cake, candy, and like treats are also powerful incentives with bears. A writer in one of the magazines describes a huge bear whose acquaintance he made in New Orleans, belonging to a Spaniard who kept a public house in the vicinity of that



PERFORMING BEARS.

city. This bear had contracted so great a liking for whiskey and sugar, that he became troublesome unless he had his liquor and his spree, and no one could mistake the cause of his conduct when "fuddled." He rolled from side to side, leered ridiculously and smiled foolishly, and was loving and savage by turns. He would wrap his great paw around the tumbler containing "the poison," go through the ceremony of touching glasses with



BEAR AND PONY ACT.

the gentleman who paid for the treat, and then pour the contents down his capacious throat with a gusto that made old topers "love that animal like one of themselves."

Buffaloes have also been drafted into the service of the circus, but their performances are in no way remarkable—except, perhaps, for the very absence of anything remarkable. The fierce monster who, with steaming nostrils and flaming eyes, is repre-

sented on the circus posters as recklessly dashing over palisade-like fences, is usually found in sober fact to be a dejected looking animal of very moderate proportions, requiring vigorous punching to induce him to trot around the ring and leap the low "hurdles" the "general utility" men hold for him. His greatest aim in life appears to be to avoid hurting his shins while going over these barriers.

Buffalo training is nothing but reducing the animal to submission, which a few applications of the horse taming straps will usually accomplish. Then he is driven around the ring until he learns to keep up a steady trot, after which the hurdles are placed in his way and he made to leap over, by the trainer's assistants standing so as to cut off his retreat, and the trainer

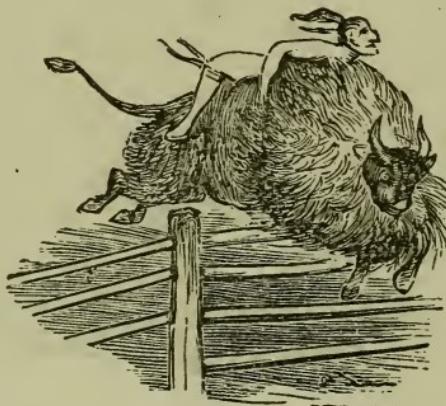


THE IDEAL BUFFALO OF THE POSTERS.

goaded him forward. In obstinate cases a ring is attached to the animal's nose in the same manner as with bulls.

There are occasional examples recorded of the taming of wolves and hyenas. A story, we believe well authenticated, of a pet wolf, is related by M. Frederick Cuvier, and shows that even animals not usually considered affectionate, are not without gratitude to their benefactors, nor insensible of kind treatment. The wolf, who is the hero of this story, had been brought up like a dog, and became familiar with every one he was in the habit of seeing. He would follow his master, seemed to suffer from his absence, evinced entire submission, and differed not in manners from the tamest domestic dog. The master being obliged to travel, made a present of him to the Royal Menagerie at Paris. Here, shut up in his compartment, the animal remained for several weeks moody and discontented, and

almost without eating. He gradually however, recovered, attached himself to his keeper, and seemed to have forgotten all his old affection. His master returned after an absence of eighteen months. At the very first word which he pronounced, the wolf, who did not see him in the crowd, instantly recognized him, and testified his joy by his antics and his cries. Being set at liberty, he overwhelmed his old friend with caresses, just as the most attached dog would have done after a separation of a few days. Unhappily, his master was obliged to leave him a second time, and this absence was again to the poor wolf the cause of profound regret, but time aleayd his grief. Three years elapsed, and the wolf was living very comfortably with a young dog that had been given him as a companion. After this space of time, sufficient to make any dog forget his master, the gentleman returned again. It was evening, and all was shut



THE REAL BUFFALO OF THE RING.

up, and the eyes of the animal could be of no use to him, but the voice of his beloved master was not yet effaced from his memory ; the moment he heard it he knew it, and answered by cries expressive of the most impatient desire, and on the obstacle which separated them being removed, his cries redoubled. The animal rushed forward, placed his fore feet on the shoulders of his friend, licked every part of his face, and threatened with his teeth those very keepers to whom he had so recently testified the warmest affection.

A French nobleman was some years ago famous for having several tame wolves ; his method of taming being to confine each animal in a kennel by himself until he became docile. The wolves were never struck, but if when, little by little, they had become accustomed to the tamer's presence, they made any at-

tempt to bite, they were seized by the neck and a rough stick or knotty cane rubbed hard over their gums, which gave them a great disinclination to ever again use their teeth in an offensive manner.

The rhinoceros is frequently tamed in the east, the plan being to confine the animal in a pen built around a small pond of water, and to keep him without food until reduced by hunger. Food is eventually supplied, and withheld again whenever any symptoms of fierceness are manifested. Those in captivity have been captured, in most cases, when young.

As early as 1685 a live specimen was carried to England from the East Indies, while a few years later another was exhibited extensively in Europe. Since then others of the species have been brought to Europe and America. Their behavior is very like a huge docile pig, and they obey some simple orders of their keepers, such as walking around the room on command and exhibiting themselves to spectators, opening and shutting their mouths as directed, and the like.

One of these animals, still young, habitually indicated a very mild disposition, being very obedient to his keeper, whose caresses he received with much satisfaction. He was subject, however, to violent fits of passion, and at such times it was dangerous to approach him. He then made prodigious efforts to break his chains and escape from his bondage; but the offer of bread and fruits seldom failed to soothe his most terrible convulsions.

Those persons found the most favor with him who ministered the most to his gormandizing appetites; and, when they appeared, he exhibited his satisfaction by opening his mouth and extending to them his long upper lip. The narrow limits of the cage in which he was shut up did not allow him to manifest much intelligence. The object of the keeper was to make him forget his strength, or forego its exercise; hence, nothing calculated to awaken his consciousness of power was required of him. To open his mouth, to move his head to the right or left, or to lift his leg were the usual acts by which he was required to testify his obedience. His strength, and the fear that in one of his passions he might break his cage, insured to him the most mild and soothing treatment, and he was scrupulously rewarded for the least thing he was required to do. The distinction he made of persons, and the great attention he paid to everything which passed around, demonstrated that, in more favorable circumstances, his intelligence might have been more strikingly manifested.

Akin to the rhinoceros is the hippopotamus, a very fine specimen of which was exhibited in this country some years

since, and realized for his Arab keeper quite a handsome sum, the Arab bringing him here on speculation and hiring him out to museum and circus managers. Between Hamet, the keeper, and Obaysch, the hippopotamus, considerable affection existed, probably even more on the animal's part than on the man's. Side by side they slept in Cairo, and during the first week of their voyage to Southampton. But as the weather grew warmer, and Obaysch larger and larger—he was quite young when captured and grew with the rapidity of all members of the swinish race—Hamet had a hammock slung from the beams immediately over the place where he had been accustomed to sleep; just over, in fact, his side of the bed, his position being raised some two or three feet. Assuring Obaysch, not only by words but by extending one arm over the side so as to touch him, Hamet got into his hammock and fell asleep, when he was suddenly awakened by a jerk and a hoist, only to find himself close by the side of his "*compagnon du voyage*." Another experiment at separate sleeping was attended by the same successful movements on the part of Obaysch, and, till they arrived at Southampton, Hamet desisted from any farther trial, as he avoided in all ways any irritation of the animal. On the voyage to this country he slept with his huge charge, who, at sea especially, seemed more content, and to feel safer, when his keeper was at his side.

Another anecdote is related of this huge beast :

One morning during the voyage, Hamet, from some cause or other, absented himself from Obaysch a little longer than usual, when he ran through his octave of cries, from the most plaintive to the most violent, and then was profoundly silent. "Hamet," says the narrator, "thought his freedom was achieved, and then, with the air of an emancipated serf, he opened his wicket, and condescended to return to his tyrant—tyrant no longer, as he hoped. Hippo awaited him with a twinkle of his infant eye—that curious, prominent, versatile eye, which looks everywhere at once—as he floated in the tank, so as to command the interior of his home. Hamet, in his great fidelity, used to keep part of his wardrobe in an angle of the roof, for convenience of making his toilet without annoying his charge by unnecessary absence. The bundle in which these choice vestments were secured had been pushed down by the revengeful infant, rubbed open with his blunt nose during that ominous silence, and finally left in such a state, that neither Hamet, nor any other being, Mohammedan or Christian, could ever don them again. Hamet is a well-conducted Mussulman, and not given to indulging in profane language, but he addressed Hippo in terms of the

strongest reprobation. Hippo twinkled his eye and shook his head, blew a little trumpet through his nostrils, and smiled in triumphant malevolence."

Nothing among modern shows can compare with the old amphitheatrical exhibitions of the Romans. For these, large numbers of animals were collected from the shores of Africa and India; in the contests of the arena they were slaughtered by wholesale. Eutropius states, and his assertion is corroborated by other writers, that 5,000 wild beasts of all kinds were slain at the dedication of the ampitheater of Titus. Pompey, at the opening of his theater, exhibited a variety of games and battles with wild beasts in which 500 lions were killed in five days; and in another exhibition the tragedy consisted in "the massacre of 100 lions and an equal number of lionesses, 200 leopards, and 300 bears." Even if public taste at the present day would tolerate such butchery, it would be rather too expensive with lions costing from \$2,000 to \$4,000 each. In those days, of course, the cost was much less; in fact, the price of wild beasts in this country is usually ten times their price in their native regions. This profit is necessary to cover the great cost of transportation, feeding and the risks of death or accidents on the passage. Insurance companies consider them too risky to insure. Prices, however, fluctuate greatly, according to the demand, and an animal worth to-day \$1,000 may be worth only \$200 next month, though he be in equally good condition.

In the days when "ordeals" were used to prove the guilt or innocence of accused persons, the Brahmin priests of Hindooostan made use of crocodiles for this purpose. The accused was compelled to swim across a river infested with these animals and his fate decided the question of his guilt or innocence. There is good reason to believe that there was trickery in these tests; that crocodiles were tamed and kept in one part of the river while those of the other portions of the stream remained in their savage state. The Brahmins could thus predetermine the fate of the persons submitting to the ordeal, and doubtless had those whom they desired to favor cross among the tame animals, while others whom they feared or hated were placed at the mercy of the wild ones. Tame crocodiles are by no means rarities; the Egyptian priests after rendering them docile, placed bracelets upon their forefeet, and hung rings and precious stones in the opercula of their ears, which were bored for the purpose, and then presented them for adoration of the people.

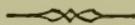
The means used in taming the crocodile seem to have been principally kind treatment and tempting food. This plan is pursued even to the present day in Egypt, India, and other coun-

tries. Several individual cases are on record giving details of the taming process. Mr. Laing saw at the house of the king of the Soulimas—a negro race occupying the country near the river Joliba, on the coast of Sierra Leone—a tamed crocodile as gentle as a dog; but this animal was confined a prisoner in a pond in the palace. The Scheik of Suakem—a seaport in Nubia, on the west coast of the Red Sea—having caught a young crocodile, tamed it, and kept it in a pond near the sea. The animal grew very large, but did not lose his docility. The prince placed himself upon the animal's back, and was carried a distance of more than three hundred steps. In the island of Sumatra, in the year 1823, an immense crocodile established himself at the mouth of the Beanjang; he had chased away all the other crocodiles and devoured all of them who ventured to return. The inhabitants rendered him divine homage, and respectfully supplied him with food. "Pass," said they to the English missionaries who relate the fact, and who were afraid to approach the formidable creature; "pass on, our god is merciful." In fact he peacefully regarded the Europeans and their boat, without giving any signs either of anger, fear, or a desire to attack them.

The following account is given of a tame crocodile, in a private letter, quoted in a review of the *Erpetologie Générale*, and affords corroborative proof of the foregoing statements. The writer, having ridden a considerable distance to a village about eight miles from Kurachee, in Scinde, and feeling thirsty, went to a pool to procure some water. "When I got to the edge," says he, "the guide who was with me pointed out something in the water, which I had myself taken to be the stump of a tree; and although I had my glasses on, I looked at it for some time before I found that I was standing within three feet of an immense alligator. I then perceived that the swamp was crowded with them, although they were all lying in the mud so perfectly motionless that a hundred people might have passed without observing them. The guide laughed at the start I gave, and told me that they were quite harmless, having been tamed by a saint, a man of great piety, whose tomb was to be seen on a hill close by; and that they continued to obey the orders of a number of fakirs, who lived around the tomb. I proceeded to the village immediately, and got some of the fakirs to come down to the water with a sheep. One of them then went close to the water with a long stick, with which he struck the ground, and called to the alligators, which immediately came crawling out of the water, great and small together, and lay down on the bank all around him. The sheep was then killed

and quartered; and while this was going on, the reptiles continued crawling until they had made a complete ring around us. The fakir kept walking about within the circle, and if any one attempted to encroach, he rapped it unmercifully on the snout with his stick, and drove it backward. Not one of them attempted to touch him, although they showed rows of teeth that seemed able to snap him in two at a bite. The quarters of the sheep were then thrown to them, and the scene that followed was so indescribable that I shall not attempt it; but I think that if you will turn to Milton, and read his account of the transformation of Satan and his crew in Pandemonium, you may form some faint idea ‘how dreadful was the din.’ In what manner these monsters were first tamed I cannot say. The natives, of course, ascribe it to the piety of the saint, who is called Miegger Pier, or Saint Crocodile.”

The alligators of this country, though seldom tamed even for public exhibition, might readily be, as they do not differ in any important respect from the crocodiles.



CHAPTER XV.

EDUCATION OF CATS AND GOATS.

CATS do not appear to be favorite subjects of the trainer’s art, and it is rare that they are met with among performing animals. Perhaps their sly, treacherous nature inspires a prejudice, or perhaps their capacity for learning is underrated. Certainly with proper and patient training they may be taught nearly all of the simpler tricks performed by dogs, and some which dogs cannot, from lack of equal agility. That cats possess considerable intelligence is shown by the many well authenticated stories related of them. A specimen is that told by Mr. Crouch, of a cat who learned to unlock a door of her own accord. “There was,” writes this gentleman, “within my knowledge, in the house of my parentage, a small cupboard in which were kept milk, butter, and other requisites for the tea table, and the door was confined by a lock, which from age and frequent use could easily be made to open. To save trouble the key was always kept in the lock, in which it revolved on a very slight impulse. It was often a subject of remark, that the door of this cupboard was found wide open, and the milk or butter greatly

diminished without any imaginable reason, and notwithstanding the persuasion that the door had certainly been regularly locked. On watching carefully, the cat was seen to seat herself on the table, and by repeated pulling on the side of the bow of the key, it was at last made to turn, when a slight pull of the door caused it to move on its hinges. It had proved a fortunate discovery for puss, for a long time before she was taken in the act."

Cats may easily be taught to jump through hoops, climb poles, fetch and carry, and many similar performances, by adopting pretty nearly the same means as for instructing dogs. As cats are passionately fond of fish, this article will be found a valuable incentive to induce them to comply with your wishes. A small morsel should be given as a reward for each instance of obedience, while refractory conduct may be punished by a slight box on the ear.

Cats may be taught to turn the handles of little organs—either real or mere silent imitations—or music boxes, to turn a little spinning wheel, to pull a bell-rope, to fire a pistol and a multitude of similar tricks. These are all, indeed, but modifications of one another. To instruct the cat, it is well to commence by teaching her to give her paw, like a dog. When this is learned, place the paw on the handle of the organ, which may have a loop of tape or ribbon attached to keep the paw in place, and give it a few turns. Let go, but continue the circular movement of your hand near her paw, as an encouragement for her to move her paw in the same manner. Should she not do so after a few moments, take hold of her paw again and repeat the movement as before. As soon as she turns the handle even in the slightest degree without your holding her paw, reward her. It will not be long before she makes a more perceptible turn, and will be more prompt to do so. Eventually she need only to be shown the organ to understand what is desired of her.

When she turns the organ satisfactorily other articles may be substituted, such as a miniature model of a spinning-wheel, and a single lesson will be sufficient to show her that her duties are the same as with the organ.

To ring a bell, a pulling instead of a circular movement is required, but this is easier to teach. A bit of cloth may be attached to the string communicating with the bell, to afford the cat something convenient to seize hold of. It will be easy to induce her to seize it by holding it near her, or by aggravating her a little with it. When she does so, and causes the bell to ring, reward her. She will soon learn that the ringing of the bell is a signal for her to be fed, and that pulling the string

causes that signal. Should you wish her to ring the bell only when ordered to do so, you should call her away, after she fully understands pulling the string, and then order her to "ring the bell." If necessary, take hold of the string to show your meaning. When she has pulled it, reward her, call her away again, repeat the order, and so on until she understands your command. Should she ring then without orders, call her away and wait a few minutes before you again order her to ring.

Firing off a pistol may follow this, taught in the same way, a piece of cloth being attached to the trigger, and the pistol being secured in a stationary position. Merely snapping the trigger will do at first, then caps may be used, and finally powder.

A story is recorded of Cecco d'Ascoli and Dante on the subject of natural and acquired genius. Cecco maintained that nature was more potent than art, while Dante asserted the contrary. To prove his principle, the great Italian bard referred to his cat, whom, by repeated practice, he had taught to hold a candle in her paw while he supped or read. Cecco desired to witness the experiment and came not unprepared for his purpose. When Dante's cat was performing her part, Cecco lifted up the lid of a pot which he had filled with mice. The creature of art instantly showed the weakness of a talent merely acquired, and dropping the candle, immediately flew on the mice with all her instinctive propensity. Dante was himself disconcerted, and it was adjudged that the advocate for the occult principle of native faculties had gained the cause.

To make a cat a good ratter she must not be handled by children, or any other person; must be fed rather sparingly at regular times, and as much as possible on fresh meat, and usually by the same person. She will soon become accustomed to such circumstances, will answer the call of this person who can change her about to different parts of the house, as a night in the cellar, and so on. When treated in this way she will become shy and wild, but will soon be a terror to rats.

Valmont de Bomare saw at the fair of St. Germain cats turned musicians; their performance being announced as the "mewing concert." In the center was an ape beating time, and some cats were arranged on each side of him, with music before them on the stalls. At a signal from the ape, they regulated their mewing to sad or lively strains. Mons. Bisset having procured three kittens, commenced their education, with his usual patience. He at length taught these miniature tigers to strike their paws in such directions on the dulcimer as to produce several regular tunes, having music-books before them, and squalling at the same time in different keys or tones, first, sec-

ond, and third, by way of concert. He was afterward induced to make a public exhibition of his animals, and the well known "cats' opera" in which they performed, was advertised in the Haymarket theater. His horse, dog and monkeys, together with these cats, went through their parts with uncommon applause to crowded houses ; and in a few days Bisset found himself possessed of nearly a thousand pounds to reward his ingenuity and perseverance.

Another story of a cat we cannot refrain from giving : A lady



GOAT TRICK OF HINDOO JUGGLERS.

who had a tame bird was in the habit of letting it out every day, and had taught a favorite cat not to touch it ; but one morning as it was picking up crumbs from the carpet, the cat seized it on a sudden and jumped with it in her mouth upon the table. The lady was much alarmed for the safety of her favorite, but on turning about, instantly discovered the cause. The door had been left open, and a strange cat had just come into the room. After the lady had turned the strange cat out, her own cat came down from her place of safety, and dropped the bird, without doing it any injury.

Goats may be taught many tricks heretofore described. It is best to commence their instruction when they are quite young, as when older they are apt to develop an obstinate disposition, besides not being so apt pupils as when young. Goats not being very fastidious as to what they eat—asparagus or brown paper being devoured with about the same apparent relish—almost anything in the shape of fruit, vegetables, or bread, will do as a reward for good conduct. Harshness seems only to arouse their obstinacy or increase their stupidity, and we doubt whether it ever does any good. If we did not really believe severity would only defeat the aims of the trainer, we should almost be tempted to leave goats to take their own chances for kind treatment; for ever since a venerable specimen of the animal butted us, in our youth, down a steep bank, merely because in stooping to pick up something, we furnished a temptation too strong for him to resist, we have felt an unconquerable prejudice against the whole tribe. But after all the trainer will find bribes better than blows.

Many of the common tricks taught horses and dogs can be taught goats. As we have fully described the methods of teaching those animals it would be merely repetition to give minute details here; the method is substantially the same with goats as with horses or dogs, for the same tricks.

The Hindoo jugglers use the goat in dexterous feats of balancing. The sure-footedness of the animal enables him to stand on the end of a section of bamboo cane whose surface barely affords room for his four feet. Sometimes this stick is placed upright, the lower end being secured in the ground. At other times the bamboo stick, with the goat standing on its end, is balanced on the hand, chin or nose of the juggler.



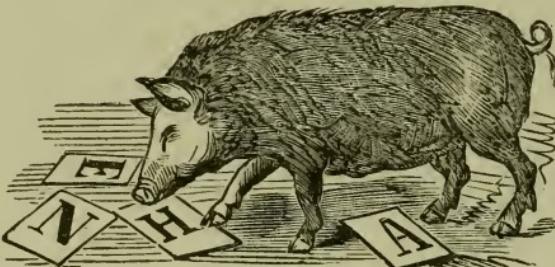
CHAPTER XVI.

EDUCATED HOGS AND THEIR TRAINING.

HOGS are not very intellectual animals, but, fortunately for the trainer, what they lack in intelligence is made up in appetite, and by appealing to their stomachs their education is accomplished. "Learned pigs" and "educated hogs" are more common in England than in this country, though, probably, like the opera, they will in time become an acclimated

institution. We had the pleasure of seeing the performance of quite an excellent artist in the pork line, who was traveling through the eastern states under the title of "Wicked Will," as a side show to a circus.

Will traveled in a cage very similar to those used in menageries, except that it was smaller. This cage at the exhibitions was placed upon a platform with the grated part facing toward the audience. It was rather higher than was necessary to accommodate the hog, the upper part containing a number of compartments about six inches in depth, in which were kept corn, curry-combs, and other toilet articles. The exhibitor lifts the lid which covers these receptacles, takes a few grains of corn in his hand and drops them quietly on the carpet; then he opens a door at one of the small ends of the cage and Will emerges, grunting and sniffing around. The cage door is now shut, and while Will hunts for kernels of corn that have been



EDUCATED HOG.

scattered around, the exhibitor gives a little dose of natural history, hog characteristics, etc.

The performance commences by the exhibitor placing ten cards, on which the numerals from one to naught are printed, in regular order across the front of the platform. Then he asks Will a number of questions, such as the number of days in a week, in a month, in a year—it is of no consequence *what*, so long as the answers can be given in numbers. The hog goes slowly from card to card, with his nose down, commencing at the figure 1. When he comes to the right number he takes it in his mouth and brings it to his master.

"Now," says the exhibitor, "if any lady or gentleman will tell the hog the year they were born in, he'll tell them their age."

Somebody in the crowd gives the date of his birth, and at his master's command Will selects the figures showing the man's age. This is repeated a number of times for different individuals, to the wonder of the crowd. Then a watch is borrowed and the hog tells, in the same manner, the hour and minutes.

A suit of thirteen cards are substituted for the numbers, and the hog selects them as required to reply to various questions. After these have served their turn they are replaced by a number of cards on each of which is printed a single word in large type. Then the exhibitor continues in something like this manner :

"Now, Will, I suppose you are very much obliged to these ladies and gentlemen for their attendance this evening ; [Will selects cards, on which is printed Yes ; and now, Will, I want you to tell these ladies and gentlemen what day this is [hog does so] ; and what are you going to give the ladies that come to see you ? [Kiss.] Well, that's very gallant ! And what reward do you want for amusing these people ? [Corn.] And what induces me to exhibit you ? [Money.] So you think I am fond of money, do you ? [Yes.] And I wonder if there is anything else I'm fond of ? [Rum.] And what happens when I get a little too much of that article ? [Drunk.] "

And so on with a multitude of other questions which would be tiresome to repeat, but which it is quite amusing to see the hog answer. The card in each case would be brought to the exhibitor, who in all cases where the correct card was selected, dropped a few kernels of corn as a reward. Occasionally a wrong one would be brought, in which case a sly kick, or hit on the nose, was administered. Sometimes the hog seemed in doubt and would pick up a card and replace it, taking another ; once or twice he stopped midway between two cards, turning his nose first toward one and then toward the other, squealing dismally, a very picture of perplexity. He had sense enough to know what he would get in case of a mistake. His mistakes, however, were very few.

The whole performance really consists in the hog selecting the card under the direction of his master. If the latter be watched narrowly, it will be seen that he changes his position from time to time, as the hog passes from one card to another. If the hog stops before he reaches the proper card the trainer moves his foot in the direction in which the hog should go ; if he passes it the foot is moved in the other direction. When no movement is made the hog knows he is before the right card and picks it up. When the hog becomes confused and frightened this movement of the foot is quite obvious to a close observer, for at such times the hog does not so readily take the cue. This signaling is the secret of the performance ; but before the hog can understand these signals, or will pick up the cards, a regular system of training must be pursued.

The pig—for the education begins when the animal is young

—is first taught to come to the trainer when called. This is readily done by rewarding him when he obeys and thrashing him when he fails to do so. He is then taught to pick up articles in pretty much the same manner as in teaching dogs, and which we have already fully described. During the lessons the pig is rewarded with corn for obeying, and he is also fed immediately after his lesson, being kept a trifle hungry at other times. At first an ear of corn may be used in teaching him to pick up articles. He will naturally pick this up when placed on the ground. Instead of letting him keep it, however, call him to you, and on taking it away recompense him with some kernels of corn. He will soon learn that it pays better to bring you the ear over and over again, and be rewarded each time, than keep it himself. Then a cob without corn may be substituted. By-and-by cobs may be arranged in a row some foot or two apart, and the pig required to bring some one of them you have in mind. This is the difficult part; the pig will be inclined to pick up whichever comes handiest. This must be prevented by gently hitting his snout, and ordering him to "go on." Always start him at the left of the line; you will be able thus to guide him better than when he goes hap-hazard. Keep on his left side, moving your foot toward him to keep him moving in the direction of the desired article. Avoid coming between him and the article. When he comes to it make no movement. If he picks it up, call him to you, take it from his mouth, reward him with corn, apple, or some other dainty, and replace the article in the row. If, however, he passes by it, change your position to his right side, and move your foot to urge him back.

These movements of the foot, during tuition, are, of course, more vigorous than those used at public exhibitions. At first they merely threaten him and drive him in the required direction, but by-and-by he learns to observe them and to understand and profit by them. It is possible sometimes during the lessons to help the pig's selection by pointing out the card or article, but this is not desirable, as it is of course unavailable in public, and the trainer must compel the animal to do his duty so soon as he is out of the "rudiments," with no more help than can be used in public.

Pigs are very fond of having their backs scratched, and this will often attach them to their instructor, make them more docile, and consequently more easily instructed. They are not very apt pupils, and though they *may* be taught several tricks performed by dogs, it is very seldom their education extends beyond what we have described. We have known an exhibitor advertise a hog who would "go through the multiplication

table," but this proved to be a catch; a hoop being covered with paper on which the multiplication table was printed, the hog was made to jump through it. The humor of the "sell" saved the exhibitor from the indignation his deception might otherwise have aroused.

In Holland, quite a number of years ago, a hog ran a race against a fast trotting horse. The training adopted to prepare the hog for this novel contest was a good illustration of "educating through the stomach," and the performance sufficiently curious, we think, to warrant insertion here. Somewhat condensed the story is substantially this:

A member of a sporting club at the Hague was bragging of the speed of a certain horse possessed by him. Another member asserted that he had a hog which he should not fear to match against him, and this proposal, though at first laughed at as a jest, ended in a match of six English miles, for one thousand guilders; fourteen days being allowed the owner of Nero, the hog, for training; and the horse to carry two persons. The course selected was the avenue leading from the Hague to the sea shore at Scheveningen; the hour, eleven o'clock.

The first day's training consisted in giving Nero nothing to eat. On the second day, at eleven o'clock, his master appeared, and fastening a rope securely to one of Nero's hind trotters, drove him, with many a kick and forcible persuasion all the way over the course of Scheveningen. Here Nero received two herrings, which he ravenously devoured. It is said that hogs—or at least Dutch hogs—prefer fish to any other food. On this scanty meal Nero had to tramp home.

The third day the hog was ravenous, but had to bide his time till, at eleven o'clock, his master presented himself for another trip to the course. After a liberal and energetic application to the booted foot, and a little loud and angry discussion between the two parties, they arrived at their journey's end, where Nero was regaled with three herrings, being one extra, which he dispatched voraciously in double quick time, looking for more, but in vain. He was then, with much coaxing and kicking, persuaded to resume the return trip homeward, and which was safely accomplished, although not without considerable opposition, accompanied by vigorous squealing and determined grunting on the part of Nero.

On the fourth day, when his master presented himself, Nero seemed to understand somewhat the object of his calling; he walked off, not only without compulsion, but with considerable alacrity, at a good round pace to get to his journey's end, where his master regaled him not alone with his coveted dinner of

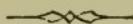
three herrings, but, as a reward, yet another herring extra. On the fifth day Nero was fully up to the game, and his master experienced considerable difficulty to keep up with him. At Scheveningen the usual allowance—now of four herrings—was placed at his disposal, and disposed of by him in short meter.

On the days following, and up to the time of the race, his master had no farther difficulty with Nero, but to keep up with him, Nero invariably taking the lead, although on the return trips the same difficulties always recurred. A vigorous application of boots was in such cases the only convincing argument with Nero, who never could see the point nor comprehend the necessity, of this back-track movement, and ever obstreperously squealed or grunted his objections. On the ninth day Nero, had become perfectly trained, and having grown extremely thin upon his scanty meals, he now ran like a race-horse, invariably distancing his master, who followed with a fast trotting horse in harness. Both exercise and spare diet were, however, strictly adhered to up to the day preceding the one on which the race was to come off. On that, the thirteenth day, as on the first day, poor Nero was again starved. At the usual hour of eleven his master appeared, but Nero was doomed to disappointment —no trot, no herrings on that day. With eager eye and impatient grunt he signified his desire to be released from his pen ; but, alas, it was not to be.

On the fourteenth day both horse and hog appeared at the starting post, eager for the race. It was a beautiful day, and the road was lined the entire distance, on both sides, with anxious and delighted spectators eager to see the sport. Punctually at eleven o'clock, at tap of drum off they started, amidst the shouts and hurrahs of the multitude. The first two miles were closely contested—it was emphatically a neck and neck race ; but Nero, light as feather, and having in his mind's eye, probably, his delectable meal, now fairly flew over the course, gradually leaving the horse behind, keeping the lead the entire distance. Amidst shouts and hurrahs, the waving of handkerchiefs, and the wildest excitement, he reached the winning post, beating the horse by half a mile, and winning the race triumphantly.

For this extraordinary performance, Nero was rewarded with a pailful of herrings, which, having feasted upon to his heart's content, he waddled back to the Hague, in the care of his master, "the admired of all admirers." His master, pocketing the purse of one thousand guilders, generously spent one hundred guilders for Nero's portrait, which is now preserved at the sportsman's club at the Hague.

It is said that hogs may be taught to destroy thistles. The tuition consists only in trampling them down, mashing the buds, and sprinkling salt thereon. The hogs eat these at first on account of the salt, but in so doing they acquire a relish for the thistles themselves, and this taste once acquired the thistles are eagerly sought for and devoured. It is claimed that one hog that has been taught in this way will teach all others in the drove. Possibly seeing him eat they imagine they are losing a treat and so eat too. If this statement proves true, the hint may be useful to farmers.



CHAPTER XVII.

PERFORMING MONKEYS—MONKEY EQUESTRIANS—THE “WONDERFUL CYNOCEPHALUS”—MONKEY ACTORS, ETC.

IN training performing monkeys the instructor is greatly aided by that imitative faculty which is a characteristic of the whole monkey family. The intense passion a monkey has for mimicking the actions of persons is well known, and to such an excessive degree is this passion sometimes possessed that several instances are on record of their cutting their own throats while attempting to shave themselves, having observed some man performing that operation. It is this imitative instinct which is taken advantage of in preparing monkeys for public exhibition. Indeed, their instruction consists mainly in the teacher performing the act himself, for the monkey to copy. This is the case with such tricks as taking off the hat, fencing with a little tin sword, sweeping with a little broom, and the like.

During his instruction the pupil has a small leather belt around his body, to which is attached a cord several yards in length, which the trainer holds. The first thing taught is usually standing on the hind legs; this is done by holding the cord taut and the gentle application of a switch under the chin. This is not a natural position, still the animal can maintain it with comparative ease. Walking the tight rope is also easily accomplished, and furnished with a light balancing pole, he will go back and forth under the guidance of the “leading string” before mentioned. Jumping barriers or leaping through hoops held in the trainer’s hand, is taught by jerking the string and giving the monkey a slight cut with the whip. Hoops covered

with tissue paper, or balloons, as they are technically called, may be substituted for the open ones after a few lessons, and add to the attractiveness of the performance.

Dressed in male or female apparel; the monkey's naturally comical appearance is greatly heightened. Thus, one may be dressed to represent a lady of fashion, while another personates her footman, who, dressed in gorgeous livery, supports her train. This is elaborated into quite a little scene at some exhibitions. A little barouche, drawn by a team of dogs, is driven on the stage, a monkey driving while a monkey footman sits solemn and erect upon his perch behind. A monkey lady and gentleman are seated inside, she with a fan and parasol, and he with a stove-pipe hat. Around the stage several times the equipage is driv-



MONKEY "MUSICIANS."

en, until by-and-by one of the wheels comes off and a sudden stop results. Down the footman comes, opens the carriage door, assists gentleman to hand out lady—who has fainted in gentleman's arms just as she ought under these trying circumstances, and in a style that would do credit to any belle in a similar accident at Central Park—gets chair from side of stage for her to sit in, while gentleman fans her till she gradually recovers. Coachman meantime gets down and goes after the lost wheel, which he rolls to the vehicle and places therein; then mounting his box, drives off, for repairs it is presumed. By this time the lady has recovered, takes the arm of her escort and follows after the carriage, while the footman brings up the rear, carrying the chair.

This is apparently quite a complicated performance, but is not particularly difficult. Each performer is taught what he is to do, the most intelligent monkey being generally assigned the footman's character. The dogs are taught to run around until

the wheel comes off; this is their signal to stop. In teaching the monkeys their parts a portion only of the scene is taught at first; thus some days may be consumed in merely making the actors occupy their appointed positions properly—such slight improprieties as the footman jumping down upon the heads of the lady and gentleman, or the gentleman pulling the driver off his seat by the tail, or the lady banging her cavalier over the head with her parasol, and like exhibitions of playfulness, being checked by applications of the whip. Gradually the “business” of the scene is built up—each lesson including all performed up to that time and a little in advance; nuts, bread and an occasional bit of candy, being the rewards for success, and whip for failure therein. Each monkey knowing his name, and being called upon by name when his turn comes, he by-and-by learns the proper time to perform his assigned work without any prompting.

The equestrian performances on pony or dog-back, styled “steeple chases,” and like tricks usually exhibited, scarcely require notice here. However amusing they may be it can hardly be said that the monkey’s part of the exhibition requires much of either intelligence or training, as he is usually strapped upon his steed and cannot very well help staying there. Sometimes, however, instead of tying the monkey in the saddle, a perch is erected on the fore part of the saddle, to which he clings frantically as the dog or pony rushes around the ring. This is no great improvement upon the strap, and the only training the monkey gets is a cut from the whip whenever he permits himself to be dislodged. For a trainer to break a monkey so as to ride a horse, carry a miniature flag, and hold on by the reins, is commonly considered a remarkable achievement. Occasionally though a monkey rider has been exhibited who has really performed in a manner not merely absurd. The most notable example of this kind was a huge ape of the cynocephalus or dog face family, exhibited in the winter of 1867-8 at Lent’s New York Circus, under the title of the “Wonderful Cynocephalus.”

Monsieur Olivier, a French circus manager, had taken a troupe to India on speculation a short time previous to the Sepoy mutiny, on the breaking out of which his company disbanded, many joining the English troops. The manager then wandered in search of an opening for professional speculation, and while so doing attempted the training of several varieties of the monkey tribe. His success was by no means encouraging until, after years of failure, he came across the individual who is the subject of this sketch. The Cynocephalus was captured in Zanzibar, on the east coast of Africa, and from the first exhibited unusual intelligence, and after many months

of patient training he was prepared to shine among equestrian stars. His débüt was made at the Cirque Napoléon, where he immediately achieved celebrity. His performances afterward repeated in New York were equally successful, and a brilliant career was anticipated for him. Preparations had been made for his exhibition throughout the country, with the circus to which he was attached, but a week or two previous to starting on the summer tour the Cynocephalus was attacked with inflammation of the bowels, and though he rallied, and



THE "WONDERFUL CYNOCEPHALUS."

hopes were entertained of his recovery, he died some days before the time appointed for the start.

Of his achievements in the ring it is only necessary to say that he went through all the feats usually displayed by a circus-rider, jumping upon the horse, standing on one leg, then holding the other in his hand, then standing on his head, following this by somersets, and finishing off with the customary vaulting through balloons and over banners. There was all the while a gravity of demeanor and seriousness of countenance

contrasting favorably with the self-satisfied smirks and meaningless grins of his human compeers.

As regards his tuition, each act had been taught separately, the ape with a cord attached to a collar around his neck and the other end held by his master, being placed in the required position, the horse was then started, and in each instance where the ape quitted his position before the horse was stopped, a cut from the whip was administered; every time the ape retained the position till the horse had gone a certain number of times around the circle, he was rerewarded with a sweetmeat. Each time a change of position was to be made, which was always after a particular number of "rounds," the horse was stopped and the ape made to take the new posture. These attitudes followed one another in regular sequence, and soon a mere change in the music was substituted for the stoppage each time the horse had been around the customary number of times. A hint from the whip was sufficient to remind the ape that he was to make a change. The banner and balloon tricks were readily taught by making him first leap them, when offered, while the horse was standing still, and afterward when in motion. The system of reward or punishment for success or failure was always kept up, and in his public performances a close observer would have noticed at any failure a frightened look from the ape and a sly cut of the whip, while after each successful feat a little sweetmeat was received from the pocket of the ring-master.

A very popular scene at exhibitions of performing animals is that in which a number of monkeys are seated around a table, spread for a feast. Two or three monkeys personate waiters and bring in, first candles, and then in succession the various courses, really consisting of things suited to monkey stomachs, but considered by theatrical license to be the customary viands of a grand feast. Bottles of water-wine conclude the repast. This is actually one of the simplest things for the trainer to accomplish. The guests being tied in their high chairs, their little bibs pinned around their necks, the only farther trouble with them is to keep them from fighting or stealing each other's rations. The waiters bringing in the things, especially the lighted candles, look very pretty and very intelligent. This part is taught by having two strings attached to the monkey. The end of one of these strings is held by the trainer, the end of the other by an assistant off the stage. The assistant places an article in the monkey's paw and slacks up his line, while the trainer hauls in on his, and by this very simple arrangement, first one and then the other hauling, the monkey

learns to make the passage to and from the stage. Should he drop his load before reaching the person to whom he is traveling, a long whip-lash reminds him of his mistake, and the article is replaced in his hand, or he kept by it until he picks it up. It doesn't take long to teach him that when he is given an article by one of his "workers" he is to take it to the other, and then the strings may be dispensed with, though a fine but strong twine is sometimes used even in public exhibitions, and we recall one occasion at a New York theater where the waiter got the twine entangled in some impediment and was held mid-way till released by the exhibitor. Though the twine could not be seen by the audience, the cause of the difficulty was too obvious to be mistaken, and some rather sarcastic applause was bestowed. On another occasion, in a neighboring city, we witnessed a squabble among the monkey guests, a general clawing and biting, ending with the upsetting of the chairs and the scampering off of the monkeys with chairs "hitched on behind."

The "drill exercise," performed with a little musket, which the monkey fires off at the close, is a common but always popular exhibition. Any one who has seen a green recruit "put through" by the drill-sergeant can form a pretty correct idea of the method of training pursued in the case of the monkey. The instructor takes the required positions himself, using his whip in lieu of a musket, giving the word of command as he does so. Until the monkey understands these orders the trainer places his musket in the right position for him whenever he fails to do it himself. In case of willful disobedience or obstinacy, the whip is restored to its primary use, while good conduct is rewarded with equal promptness.

Sham fights are sometimes arranged for a number of monkeys. In this performance each monkey is taught his particular part, and rehearses it with the trainer till thoroughly familiar with it; then each monkey rehearses with the one with whom he is to act, until, as all become perfect in their parts, the whole act together. In rehearsing the monkeys perform each action at the word of command, being called by name. The mimicry natural in monkeys has here to be checked, otherwise the performance would be thrown into confusion by each copying the other's acts. The monkeys are, therefore, punished for any movement without orders, or for responding when another's name is called.

To be trained successfully, monkeys must be taken when young, and the degree of docility and intelligence varies greatly with different species. The *entellus* monkey, a slender and

graceful native of the Indian Archipelago, whose light fur makes a strong contrast with its black face and extremities, exhibits great gentleness and playfulness when young, but these traits change, as it becomes older, to distrust and listless apathy, and, finally, it becomes as mischievous as others who have never displayed any particular indications of good temper.

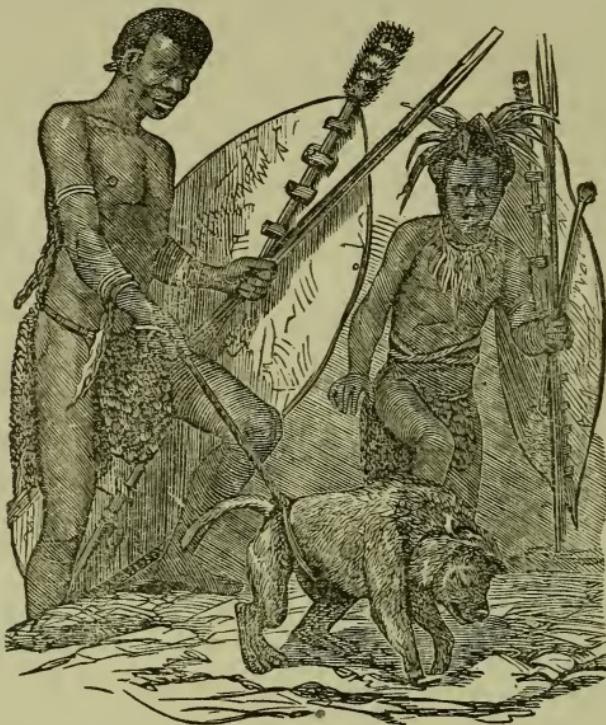
Some varieties seem to possess the ability to actually plan and carry out quite complicated operations, which, in a state of nature, are as remarkable as any of their performances in captivity. The mottled baboons display this in their robberies of the orchards of their native country. A part enter the enclosure, while one is set to watch, and the remainder of the party form a line outside the fence, reaching from their companions within to their rendezvous in the neighboring woods. The plunderers in the orchard throw the fruit to the first member of this line, who throws it to the next, and so it is passed along until it reaches headquarters, where it is safely concealed. All the time this is being done the utmost silence is maintained, and their sentinel keeps a sharp look-out. Should any one approach he gives a loud cry, at which signal the whole company scamper off, though always taking a load of fruit in their retreat, if possible, in their mouths, under their arms, and in their hands. If hotly pursued this is dropped piecemeal, but only when absolutely necessary to enable them to escape.

As the disposition varies with different species, so also must the system of training. While one will require considerable severity, another can be made to perform only by being well treated and liberally rewarded. Once at the old Broadway theater, in New York, a very celebrated monkey stopped in the middle of a tight-rope performance and refused to continue. His master threatened, scolded, and finally flogged him very thoroughly, but he only jabbered and howled, and could not be made to finish his performance; his master ending by taking him in his arms and carrying him off the stage.

Many monkeys have a great liking for strong drink, and this weakness is frequently taken advantage of by other trainers to induce them to perform; a bribe of a little liquor often proving a more powerful incentive than anything else. A mandril, who, at one time, created considerable excitement in London, where he was exhibited under the title of "Happy Jerry," was a remarkable example of monkey devotedness to the rosy god. Gin and water was his besetting weakness, and to obtain it he would make any sacrifice or perform anything within the bounds of possibility. In some instances sugar

brandy-drops are used in public exhibitions as rewards, though this is done sparingly.

Besides these weaknesses of appetite, to which their trainers appeal, monkeys have a fondness for petting. Jardine mentions one of the shooloch species who was particularly pleased with caresses. He would lie down and allow his head to be combed and the long hair of his arms to be brushed, and seemed delighted with the tickling sensation produced by the brush on



BABOON FINDING WATER ROOTS.

his belly and legs. Turning from side to side, he would first hold out one limb and then the other.

It is rare that any of the monkey tribe have been made available for any really useful purpose. Occasionally, we believe, they have been made to turn spits, and one case is recorded of a monkey on shipboard who was taught to wash dishes and perform several other of the minor duties of the culinary department, under the supervision of the cook. Among the Kaffirs of Africa a particular species of baboon, the chacma, is trained for a somewhat novel purpose. These chaemmas will eat anything a man will, and torment the natives grievously by pillaging their gardens. The tables are, however, in

some cases turned, and the chaemas made to provide food for the Kaffirs instead of deriving it from them.

The ordinary food of the chaema is a plant called babiana, from the use which the baboons make of it. It is a subterranean root, which has the property of being always full of watery juice in the driest weather, so that it is of incalculable value to travelers who have not a large supply of water with them, or who find that the regular fountains are dried up. Many Kaffirs have tame chaemas which they have captured when very young, and which have scarcely seen any of their own kind. These animals are very useful to the Kaffirs, for if they come upon a plant or a fruit which they do not know they offer it to the baboon, and if he eats it they know that it is suitable for human consumption.

On their journeys the same animal is very useful in discovering water, or, at all events, the babiana roots, which supply a modicum of moisture to the system, and serve to support life until water is reached. Under these circumstances, the baboon takes the lead of the party, being attached to a long rope, and allowed to run about as he likes. When he comes to a root of babiana he is held back until the precious vegetable can be taken entire out of the ground, but, in order to stimulate the animal to farther exertions, he is allowed to eat a root now and then.

The search for water is conducted in a similar manner. The wretched baboon is intentionally kept without drink until he is half mad with thirst, and he is then led by a cord as before mentioned. He proceeds with great caution, standing occasionally on his hind legs to sniff the breeze, and looking at and smelling every tuft of grass. By what signs the animal is guided no one can even conjecture; but if water is in the neighborhood the baboon is sure to find it. So, although this animal is an inveterate foe of the field and garden, he is not without his uses to man when his energies are rightly directed.



CHAPTER XVIII.

RATS—MICE—FROGS—TOADS—FLEAS, ETC.

RATS generally are not favorites. There seems to be born in the human race a natural antipathy to these animals, and the preference with most persons would be rather to exterminate them than to attempt to tame them. Still rats *may* be tamed, though it must be confessed they are rather unattractive subjects, their odor being disgusting and their bite poisonous, probably from particles of putrid flesh adhering to their teeth—in many recorded cases fatally so.

Probably most readers have heard the story of the Frenchman, we forget his name, who was doomed to expiate some political offense in a dungeon cell; and how, to relieve the dreary loneliness and torturing monotony of his solitary existence, he strove to win the confidence of a rat which stole timidly forth from some crevice to pick up the crumbs dropped by the prisoner from his frugal meals. By slow degrees he labored to achieve his purpose, dropping a few crumbs on the floor and waiting motionless till the animal had come from his retreat and taken them; then, as the rat's timidity gave way under the influence of this kindness, the man enticed him to eat from his hand, to climb up his leg into his lap, and by-and-by to permit himself to be handled, until at last the rat would nestle in the man's bosom, come at his call, and in many ways display his affections for his master.

Mice are less ferocious than rats, more easily managed, and also make better performers, if it is desired to teach them tricks. The process of training is the same with both. In securing your captive, a trap which does it no injury should be used. To say nothing of the cruelty, an animal that is partially disabled or suffering pain, is not in a condition to learn well. The best traps are those in which wires are so arranged as to permit an easy entrance while they present an array of sharp points to prevent an exit.

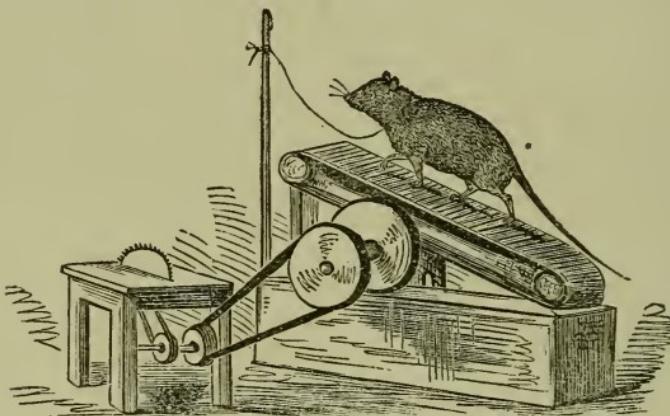
The first thing after the capture is to tie a piece of fine but strong twine to the captive's tail. This may be done without removing from the trap, or a wire or tin cage; he should be kept until so far tamed that he will not attempt to gnaw the string and escape when taken from his prison. During this time he should be well treated, supplied with food and water, and in no way irritated or alarmed. At the end of a day or so he may be allowed to come out upon a table, while the string

which retains him is held securely. He will, probably, run around to examine the locality and then make an attempt to escape. At this point he must be gently but firmly drawn back, and we would advise that the first lesson consist merely in teaching him the uselessness of these attempts. At the next lesson a light wand, of willow or other wood, about twenty inches long, should be provided. Shortening the confining string so as to have your animal "well in hand," you make him travel back and forth across the table in a straight line several times, guiding him by placing your wand in his way whenever he swerves from the correct course. Then make him go in a circle, then along a piece of board, or books laid on an edge, and any other convenient exercises to habituate him to follow your guidance. Remember, in doing this, that your object is to teach him—not to torment him. This wand is the real key to the performances of rats and mice. Though, these animals, doubtless, possess considerable sagacity, nearly all the tricks we have ever seen them perform have been mere obedience to the guidance of the exhibitor; so that when your pupil will go in the desired direction at the slightest hint with your wand, the main part of his training is accomplished, and you have only to arrange various little tricks in which the obedience will come in play.

By placing an obstacle in his way of such a shape as he cannot readily climb over, and urging him forward, he may be taught to leap; soon little hoops of wire or wood may be held for him to jump through, and these may be raised gradually with successive lessons until he will spring a considerable distance into the air to go through them. During all the time of training it should be your object to tame your pupil and inspire him with confidence in you; this will enable you eventually to remove the string which secures him, and so add to the credit of your exhibition. He should also be accustomed to take food from your hand or from the point of a bit of stick. This will serve as the foundation of many amusing tricks. Thus a small piece of cheese may be placed on the end of a string or wire so arranged that the removal of the cheese will cause a little bell to ring or produce some other pleasing effect. After the first few lessons with this arrangement, in which the mouse will have become accustomed to securing his food in this way, the cheese may be simply *rubbed* on sufficiently to induce him to bite at it. He should at first be guided up to it with the wand and tapped gently under his chin to induce him to rise and seize it. A variation of this is the trick of carrying articles in his mouth. First give him some article thoroughly smeared with cheese; the

desire to secure the cheese will make him take it; then by urging and guiding him with your wand you can make him carry it about; being loth to relinquish the cheese, he will retain the whole. The amount of this bait used may be gradually diminished. By-and-by he may be made to convey little articles to and fro between two persons seated at opposite sides of the table. To do this, as well as for general convenience, it is well to accustom your pupil to come to you at some particular sound. This may be either the snapping of the finger nails or some slight noise of the mouth. It is easily done by making the noise, and, at the same time, pulling him toward you by the string attached to his tail. When he reaches you reward him with a morsel of cheese or bread, and repeat from day to day until he will come upon hearing the call.

Rats or mice may be used as motive powers to operate little models of machinery. This requires no training, as they are



RAT AS A MOTIVE POWER.

merely placed in a tread-mill contrivance, and being kept there their weight causes the works to move and compels the animal to keep up the motion.

A little performance, a la Blondin, may be arranged for your mouse by stretching a piece of wire sufficiently stout to afford him a firm foothold, from two posts, about a foot in height, fastened into a board. The ends of the wire may be at an angle, and also be secured to the board. Being guided by your wand up the slanting wire upon the main one, the dexterity with which he will run about upon it is quite surprising. If he has been already taught to hold things in his mouth he may be given a piece of wood, about the thickness of an ordinary friction match and twice its length, to represent a balancing pole, and

this may be adorned at each end by a balancing flag or bit of ribbon. The *real* "balancer," however, is the animal's tail, which he will wriggle from side to side to preserve his equilibrium.

In the summer of 1867 one of the most attractive of the outdoor shows exhibited in Paris was that of "the man of rats," well known to the inhabitants of the Quartier Mont Parnasse, where he has held his headquarters for the last thirty years. The name of this Rarey of the rat race is Antoine Leonard. If the former succeeded in breaking in the worst tempered brute ever created, Leonard in three weeks certainly accomplished the difficult task of cultivating habits of obedience in the biggest rats that ever ran. His favorite scenes of action are some cross alleys in the 14th and 15th Arondissement. His sole theater is a sort of perch which he sticks into the ground, and then he takes his corps de ballet out of his pocket. At his word of command the rats run up and down the perch, hang on three legs, then on two, stand on their heads, and in fact go through a series of gymnastic exercises that would put Blondin himself to the blush. His crack actor is a gray rat that he has had in his troupe for eleven years. This old fellow not only obeys Leonard, but is personally attached to him. It is a most curious sight to see Leonard put him on the ground, and then walk away. The creature runs after him, and invariably catches him however many turns he may make to avoid him. An Englishman offered fifty francs for him about two years ago, but Leonard would not separate from his old and attached friend.

Some time ago, in passing through Beekman street, in this city, our attention was attracted by quite a large crowd gazing intensely at the telegraph wires which pass through the street. Following the example of the rest, we at last discerned, high up on the topmost wire, a mouse, that was running along evidently in search of some safe descent from his novel position. It seems that some boy had caught him, and the fact that the wires in that vicinity pass close to the windows of the buildings, had, doubtless, suggested the idea of placing him thereon. Whether the mouse would have persevered and traveled on to Albany, thus furnishing an example of sending articles by telegraph, it is impossible to say, for some person at a window within reach of the wire, by vigorous shaking, succeeded in dislodging him, and he fell to the ground among a crowd of boys who were eagerly waiting to receive him. In the scramble that followed he was captured, and borne off in triumph by a news-boy.

A shrewd dodge is related by a New York paper of a certain saloon keeper, who has been greatly annoyed by per-

sons who sit about in chairs to sleep off the effects of bad whiskey. He has caught and tamed several rats, and trained them to run across the floor. A sitter wakes up and sees the rats running, and calls attention to the fact, when he is told there are no rats there. This frightens the man, who thinks he has got the tremens, and he quickly disappears from the saloon.

Frogs are made pets of in some countries. In Vienna may be seen gilt cages containing small frogs of a pretty green color, which are kept in drawing rooms, and amuse by their gambols. Curious stories are told of the domestication of the tree-frog, which is a native of warm countries. It is said of Dr. Townsend, that he had two pet frogs of this variety. He kept them in a window, and appropriated to their use a bowl of water, in which they lived. They grew quite tame; and to two which he had in his possession for a considerable time, and were particular favorites, the doctor gave the names of Damon and Musidora. In the evening they seldom failed to go into the water, unless the weather was cold and damp; in which case they would sometimes abstain from entering it for a couple of days. When they came out of the water, if a few drops were thrown upon the board, they always applied their bodies as close to it as they could; and from this absorption through the skin, though they were flaccid before, they soon again appeared plump. A tree-frog, that had not been in the water during the night, was weighed and then immersed; after it had remained half an hour in the bowl, it came out, and was found to have absorbed nearly half its own weight of water. From other experiments, it was discovered that these animals frequently absorbed nearly their whole weight of water, and that, as was clearly proved, by the under surface only of the body. They will even absorb water from wetted blotting-paper. Sometimes they will eject water with considerable force from their bodies, to the quantity of a fourth part or more of their weight. Before the flies had disappeared in the autumn, the doctor collected for his favorite tree-frog, Musidora, a great quantity as winter provision. When he laid any of them before her she took no notice of them, but the moment he moved them with his breath she sprang upon and ate them. Once, when flies were scarce, the doctor cut some flesh of a tortoise into small pieces, and moved them by the same means; she seized them, but the instant afterward rejected them from her tongue. After he had obtained her confidence she ate from his fingers dead as well as living flies. Frogs will leap at the moving of any small object; and, like toads, they will also become sufficiently familiar to sit on the hand, and submit to be carried from one side of a room to the other, to

catch flies as they settle on the wall. This gentleman, accordingly, made them his guards for keeping the flies from his dessert of fruit, and they performed their task highly to his satisfaction.

Another, yet more remarkable frog, is told of by a Virginia gentleman : "Concerning this frog," says he, "it has lived many years with us and is a great favorite, and the greatest curiosity is its becoming so remarkably tame. It had frequented our door steps before our hall door some years before my acquaintance commenced with it. My father had admitted it for years on account of its size and color, and he visited it every evening, when it would come forth at his summons, and by constant feeding he brought it to be so tame that it would come to him and look up as if expecting to be taken up and brought to the table and fed on insects of all sorts. On presenting living insects it fixes its eyes intently and remains motionless for a while as if preparing for a strike, which is an instantaneous throwing of its tongue to a great distance, upon which the insect sticks fast to the tip by a glutinous matter. I can't say how long my father had been acquainted with it ; from my earliest recollection he spoke of it as 'Old Tom,' 'the old frog.' I have known it for a great number of years—I can answer for fifty-seven years. It makes its appearance (always a welcome visitor) with warm weather and remains with us till fall, appearing morning and evening to our great amusement, having been trained to do many things, such as leaping, turning somersaults holding alternately by its feet and hands to a small rope, swinging and whirling, after the manner of a slack rope performer, marching erect on its hind legs, and at the word of command going through the manual exercise. It seems perfectly good natured, and never shows temper, but is dreadfully afraid of a cat, on whose approach it will often leap four feet from the floor, with the utmost precision, plump into the mouth of a large stone water pitcher, and thus secure a safe retreat. Yet it is in no wise alarmed or disturbed by the presence of dogs, of which we have many about the premises. They all seem to regard it as one of the household and a 'privileged character.'"

Were not this story apparently well attested we might doubt some of the details, as our own experience has shown that, while frogs are easily tamed, and may be taught quite readily to perform such simple feats as leaping, clinging to a string while swinging, and the like, they yet seem to possess no aptitude for learning any more elaborate feats. Some of our readers may, perhaps, be as successful as this gentleman was, and in that case we should be pleased to have them let us know of it.

It may easily be imagined that the capture and training of fleas would require a patience almost rivaling Job's, and a skill which, in its particular way, might almost be called a triumph of genius. Yet that has been done, and some years ago a man gave exhibitions of what he termed "educated fleas," which were quite popular and successful. This man was a German, who, at the time we speak of, was somewhat more than sixty years of age, and had been, with true Teutonic steadfastness, about twenty years engaged in his strange vocation. Fortunately he was endowed with a sharp pair of eyes, which not only enabled him to keep track of his little performers, over three score in number, but also to make the minute "properties" used in the exhibition.

This "artist in fleas" took considerable pains to secure choice specimens for his collection, and had arrangements whereby they were forwarded to him by mail, carefully packed in cotton, from localities noted for their superior breeds. When not in use the fleas are packed away in pill-boxes between layers of cotton. They are fed twice each day; the manner of feeding being to allow each to suck one drop of blood from the trainer's bare arm. This would be an ordeal few of our readers would probably care to submit to, but the hero of the sixty fleas had become so accustomed to it that he didn't mind it in the least, and, for aught we know, rather enjoyed it.

The intelligence of fleas is not of a very high order, and their "education" is really very limited; the seeming marvels they perform being mainly clever management on the part of their exhibitor. When first received they are secured with a halter of the finest imaginable silk to prevent escape. The first thing they are taught is *not* to jump. For this purpose the end of the halter is secured to a pin in the table, and each jump naturally results in the prisoner being upset with a sudden jerk, with, no doubt, a rather unpleasant sensation about the neck. Sometimes a sharp pressure upon certain muscles is resorted to for checking this jumping propensity. Being well fed and well treated, when it behaves itself, even a flea will become tame. Punishment, too, for rebellious conduct is also practiced. As fleas are not well adapted for being flogged a new device is resorted to, a piece of burning charcoal, or heated wire, is held over them until they are subdued.

The usual performances consist in little coaches being drawn about by fleas harnessed up, while others of the troupe personate riders, coachmen and footmen. Then there is the ball-room scene, where fleas waltz around to the imaginary music of an orchestra of fleas, furnished with minute imitations of various

instruments. There are also quite a variety of other tricks, but they are all pretty much the same in principle. The main secret in these performances is a piece of very thin wire, some ten or so inches in length, which the exhibitor holds in his hand during the entertainment. The end of this wire is greased with butter, which appears to possess a strong influence upon the fleas, for they will eagerly follow the wire in whatever direction it is moved. The audience, ignorant of this fact, attach no importance to the exhibitor's directing with it the movement of his performers, and may even consider their following it a proof of superior training. By this means the fleas may easily be made to go through the desired movements.

Where the fleas occupy a stationary position a trick is resorted to which if on a large scale would be clumsy, but which in this instance defies the sharpest eyes to detect. The insects are fastened in their positions. Aided by the costumes with which they are encumbered, this is not difficult to accomplish. Natural movements are also made to pass for seemingly wonderful effects. Thus the performance of the musicians is nothing but the customary wriggling of the fleas. Any insect in a confined position will seize hold of a light article whether it be shaped like a fiddle or not, and twirl it about. With the fleas it is impossible for the spectator to distinguish exactly what the motion is—it is so rapid and everything is so small—and imagination makes up for a good many deficiencies.

We have seen boys amusing themselves impaling a fly, belly upward, upon the point of a pin, the head of which was inserted in a cork standard, and giving him a little dumb-bell composed of pieces of cork connected by a piece of hog's bristle. The fly would grasp this in his agony, and his convulsive movements would have a very exact resemblance to a dumb-bell performance, and be irresistibly ludicrous, however much one might sympathise with the victim's suffering. It almost rivaled the professor and his fleas.

Once upon a time this troupe of fleas were exhibited at Berlin before the king and queen. The professor was suddenly seen to exhibit signs of great consternation. "What is the matter, Herr Professor?" inquired his majesty, on seeing that the performance had come to a stand still. "Sire, I perceive that one of my very best performers, the great Napoleon, has got loose and disappeared." "Let search be made at once for the great Napoleon," replied the king, good humoredly. "Ladies and gentlemen, let the Herr Professor have your best help in recapturing the great Napoleon. In what direction, Herr Professor, do you imagine the runaway to have gone?" "If I

may venture, sire, to reply frankly," returned that personage, "I suspect the great Napoleon to have secreted himself about the person of her serene highness, the Princess F——." The "highness" thus named, feeling anything but "serene" at the thought of affording quarters to such an intruder, made a hasty retirement to her own apartments, whence, after a brief retirement with her cameriste, she smilingly returned to the royal presence, bringing some object held delicately between her thumb and finger, which she cautiously made over to the professor. "Alas! sire," exclaimed the latter, after a moment's glance at what he thought was his discovered treasure, "this is a wild flea and not the great Napoleon!" And the exhibition was brought to an ignominious conclusion.

We once heard of a performance somewhat akin to our professor's. At a certain boarding school that we attended years ago, we noticed our room-mate one morning examining the bed in a manner to indicate beyond doubt that he was in search of an insect which is not usually a subject of conversation in polite society. Fortunately for the credit of the school he found none. In answer to our expression of surprise at his evident disappointment at there being none, he explained that he wanted to show us a splendid trick he had invented at home; and he went on to describe how he had often amused himself by gluing one end of a string to the back of an unfortunate bug, while to the other end was hitched a miniature model of a cart, made of paper. This, he said, was capital sport, especially when he made two of these teams race, and pricked the steeds with a needle to make them lively. This is the only example of bed-bug training we are able to record.

A very useful thing for farmers is the power of handling bees without liability to be stung. Many persons imagine this to be some gift or mysterious influence possessed by the successful operator, while others suppose it to be derived from some wonderful secret possessed by him. Though this "secret" is really quite a simple matter, the fact that a speculator has been selling it to bee keepers at the modest price of ten dollars, shows that it is an interesting subject, and we propose to give it to the reader without exacting any fee.

Let us suppose you have a particularly irritable colony in one of the modern hives, from which you desire to obtain the honey. The treatment must vary a trifle according to the particular design and arrangement of the hive, but the following directions, with very slight modifications, will answer for all. First confine the bees in the hive, and rap on the side of it with the palms of your hands or a small stick. The first efforts of the

bees will be to escape from the hive; finding this impossible they will rush to their stores and fill themselves with honey. Should the rapping prove insufficient to frighten them and cause them to fill themselves with honey, smoke from rotten wood, which is the best, cotton rags, or tobacco, may be made to enter the hive which will have the desired effect. Bees will never sting of their own accord when gorged with food, and in this condition may be handled with impunity.

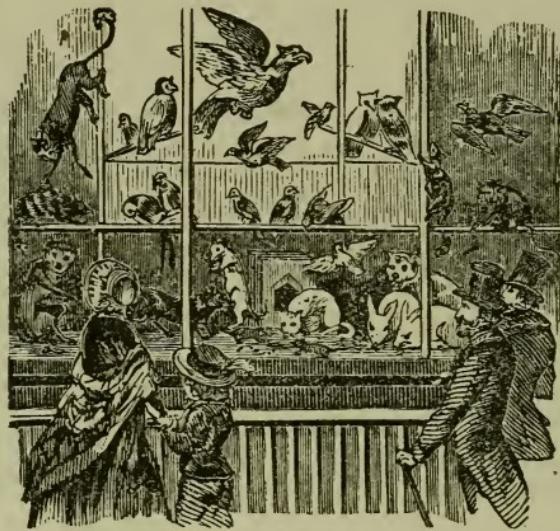
When swarming, or out of the hive for any reason, they may be "tamed" by placing water well sweetened with sugar within their reach. Bees can never resist the temptation and after they have gorged themselves with this preparation they are as harmless as when their sacks are filled with honey.

CHAPTER XIX.

"HAPPY FAMILIES"—ENEMIES BY NATURE MADE FRIENDS
BY ART.

ONE of the most entertaining and popular features of Barnum's Museum, during the many years of its existence, was that miscellaneous collection of minor birds, beasts, and reptiles, denominated the Happy Family. Here in a huge cage are mingled many varieties of the animal kingdom which are, in a state of nature, deadly enemies to one another. Exhibitions of this kind are very rare in this country, though more common in Europe. Probably the first one ever seen here was that imported by Barnum in 1847, and which was the foundation of the present collection; though, like the boy's jack-knife which first had a new blade and then a new handle, and then a new blade again, it would be difficult to find any of the original importation in the collection of the present day. It seems that Barnum, at about the date we have mentioned, was in Scotland "working" Tom Thumb, who was then on a grand exhibition tour. In the neighborhood of Edinburgh he accidentally stumbled across the Happy Family, which was then, though an excellent collection of animals, a rather one-horse affair as an exhibition by itself. The shrewd showman, ever on the lookout for novelties or curiosities, genuine or otherwise, fancied he saw a good speculation and bought the whole concern for \$2,500, and brought it in triumph to his museum in New York.

Curious and wonderful as this peaceable living together of animals of such diverse natures appears, there is really very little mystery in it. Many persons, noticing the sleepy and listless appearance of most of the animals, have quite naturally come to the conclusion that they were under the influence of some drug, which stupefied them and rendered them harmless. We believe that in no case is this the fact, because it is not necessary. The main secret is to feed the animals to satiety ; never allowing them to feel the pangs of hunger, the great incentive for preying upon other animals is taken away. Animals, unlike men, will never eat unless they are really hungry. We have frequently observed boa constrictors at public exhibitions, in whose cages rabbits or pigeons had been placed to gratify the public with



THE "HAPPY FAMILY" AT BARNUM'S OLD MUSEUM.

the sight of the huge snake swallowing his food alive. Unless the snake is hungry the miserable little victims remain for days cooped up with the hideous monsters without the latter taking the slightest notice of them. It is a well known fact that cats which are fed plentifully cease to be good mousers, however excellent in that respect they have previously been, and will permit a house to be overrun with these pests without molesting them. Besides the plentiful feeding there is one other thing requisite to make the animals live together peaceably. Many animals have an instinctive desire to worry or kill others which are smaller or weaker than themselves. Between many particular animals a kind of natural antipathy exists. So natural does it seem that a dog should torment a cat that "a cat and dog life"

has become typical of a very uncomfortable state of existence. There is on the part of all animals a feeling of suspicion and antagonism toward strange animals, even if they are of their own species. We are almost every day witnesses of exhibitions on a smaller scale almost as wonderful as the Happy Family, were it not that their frequency renders them common place. In thousands of households cats and dogs live together, not only without quarreling but on really friendly terms. Frequently have we seen cats and dogs feeding from the same dish, and recollect one instance where a diminutive kitten, in the innocence of feline infancy, seized upon one end of a bone which a monstrous watch dog was busily gnawing, without being molested by the dog. It is just as natural for cats to devour birds as for *any* beast or bird of prey to devour *its* victims, and yet we have been familiar with more than one instance of canary birds being allowed to fly around a room in which was the household cat, without the cat showing the least disposition to attack them. Had a strange bird came within her reach we doubt not that same cat would have indulged in a feast at his expense without hesitation. City dogs would make sad havoc among the inhabitants of any poultry yard if allowed admission therein, but let any one of those same dogs become a resident on a farm, let him understand that chickens and turkeys are sacred from his touch and he will soon walk among them as unconsciously as though there were no such things in existence. An instance is on record of a cat who had been deprived of her kittens, capturing a brood of young rats and suckling them with all the tenderness of a mother. In this case, however, it would appear that affection for the baby rats was not the motive for this strange act, for as soon as the cat was eased of the inconvenience of her milk, she disposed of her adopted family in a pleasant and effective manner—she ate them up.

In preparing animals for Happy Families it is usual to keep them in small cages, in the vicinity of each other. Occasionally two animals of different dispositions are placed together, the keeper preventing any fighting and punishing any symptoms of it. When the keeper thinks they may be safely left together he retires to a short distance to wait results. On the least sign of a quarrel he is down upon them, poking and punching and stirring them up generally. If they show no disposition to quarrel they are treated kindly, fed plentifully and permitted to enjoy themselves as much as their restricted quarters will permit. When an animal has thus learned to keep within the bounds of politeness and good breeding he is introduced into the large cage with the grand collection. In this large cage

the principal disturbing elements are the monkeys, who frequently obstinately insist upon *not* being happy, and slinging the mice around by their tails, pulling out the birds' feathers and other little acts of playfulness. The stout wire very soon reduces them to quietness, and it very seldom happens that any serious disturbance occurs. Doves and vultures roost calmly side by side, mice nestle confidingly in the cat's soft, warm fur, and so natural does it all seem, that, for a moment one scarcely realizes of what incongruous elements the whole is made up.

The origin of this novel idea of the Happy Family was probably this: Francesco Michelo was the only son of a carpenter who resided in Tempio, a town in the island of Sardinia. He had two sisters younger than himself, and he had only attained his tenth year when a fire reduced his father's house to ruins, and at the same time caused the death of the carpenter himself. The family were thus reduced to beggary, and the boy in order to provide for the necessities of his mother and sisters took up the occupation of catching birds for sale. Constructing a cage of considerable dimensions from laths he proceeded to the woods to secure the nests of young birds. Being active and industrious he succeeded tolerably well, but the prices he obtained were not adequate to the maintenance of the family. In this dilemma the boy conceived a new and original method for increasing his income; necessity is the mother of invention, and he meditated no less a project than to train a young Angora cat to live harmlessly in the midst of his favorite songsters. Such is the force of habit, such the power of education, that by slow degrees he taught the martial enemy of his winged pets to live, to eat, to drink, and to sleep in the midst of his little charges without once attempting to devour or injure them. The cat, whom he called Bianca, suffered the little birds to play all manner of tricks with her; and never did she extend her talons or harm them in any way.

He went even farther, and taught the cat and the birds to play a kind of game, in which each had to learn its own part. Puss was instructed to curl herself into a circle, with her head between her paws, as though asleep. The cage was then opened and the birds rushed out upon her and endeavored to awaken her with repeated strokes of their beaks; then dividing into two parties they attacked her head and her whiskers, without the gentle animal appearing to take the least notice of their gambols. At other times she would seat herself in the middle of the cage, and begin to smooth her fur; the birds would then settle upon her back, or sit like a crown upon her head, chirruping and singing as if in all the security of a shady wood.

The sight of a sleek and beautiful cat seated calmly in the midst of a cage of birds was so new and unexpected that when Francesco produced them at the fair of Sussari he was surrounded instantly by a crowd of admiring spectators. Their astonishment scarcely knew bounds when they heard him call each feathered favorite by its name, and saw it fly toward him with alacrity, till all were perched on his head, his arms, and his fingers. Delighted with his ingenuity the spectators rewarded him liberally, and the boy returned joyfully to his home with sufficient money to last the family many months.

Not only do animals sometimes lose many of their natural characteristics by association with human beings or with other animals, but they even in some cases have been known to acquire the habits of animals of an entirely different species from themselves. One of the most remarkable instances of this was observed by La Malle. This gentleman had a kitten which had attained the age of six months when his live stock was increased by the arrival of a terrier pup, Fox, that was only two months old. The dog and the cat were brought up together, and for two years Fox had no association with other dogs, but received all his education from the three daughters of the porter, and from the cat. The two animals were continually together and acquired a great affection for one another; the cat, however, as the senior taking the lead. Soon Fox began to bound like a cat, and to roll a mouse or a ball with his fore paws after the feline fashion. He also licked his paw and rubbed it over his ear as he saw the cat do; nevertheless, owing to his native instinct, if a strange cat came into the garden he chased it away. La Malle brought a strange dog into the house, who manifested the utmost contempt and indignation for all Fox's habits. M. Andouin, too, had a dog which acquired all the habits of a cat.

It has probably been remarked also, by most readers, that domestic animals almost always imbibe something of the disposition of their masters or mistresses. Thus, a plodding easy-going man will have a horse of much the same characteristics if it has been long in his service, whatever may have been the horse's original disposition. Many similar instances will no doubt suggest themselves to the reader. It would seem that even mankind is not exempt from this influence, and that when men have not the energy or mental force to exert this molding power over the minds of their brute companions, the animals will exert it over them. At the risk of wandering from our subject it may interest some to have attention called to the testimony to this assertion, afforded by all uncivilized countries. Dr. Virey, who has given considerable attention to this rather

queer subject, remarks: "Behold those men who pass their lives among animals, as cowherds, shepherds, swineherds, grooms, and poachers, they always acquire something of the nature of the animals with which they associate. It is thus that man becomes heavy and rude with the ox, filthy and a glutton with the pig, simple with the sheep, courageous and an adept hunter with the dog. In like manner the Arab is sober with his camel, the Tartar rough and blunt as his horses, the Laplander timid as his reindeer, the mountaineer active as the goat, the Hindoo somber as his elephant, because it is man's fate to take the nature of his animals when he cannot form their nature to his." Without recommending the adoption of this writer's opinions entirely, for much that he has stated is no doubt due to climate and local causes, his theory is worthy of consideration by those who have a fancy for this kind of speculation.

A correspondent of the *Agriculturist* relates an amusing instance of a sort of "happy family" originated by the animals themselves: "About a month since two cats had a 'family' within a few days of each other. All the kittens were drowned except two of each set, which with their respective mammas were snugly settled in a couple of boxes in the same room. On the following day both families entire—or rather what remained of them—were found coiled up together in the same box. They were not disturbed and thenceforward the two mothers ceased to recognize any difference between the two pairs of kittens. They would alternately nurse the whole lot, or both affectionately entwined together divide this 'labor of love' just as the kittens, lying snugly between them, would happen to turn to the one or the other. But this is not all. Eddie brought a couple of young squirrels from the woods, which soon became very gentle. In less than two days *both* were found in the box among the cats and kittens, drawing from either or both the maternal fonts, upon a like footing of equality and community with that previously enjoyed by the kittens. The old cats seemed to acquiesce fully in the arrangement, and so it proceeded for a couple of weeks, until one of the squirrels was accidentally killed. The other having the freedom of the house is now a romping playmate of both cats and kittens, who continue uniformly to treat him as 'one of the family.'"



CHAPTER XX.

EDUCATED SEALS—TAME FISH, ETC.

AT the Zoological Gardens in London, and at several places on the continent, seals have been exhibited which had been taught to perform a number of tricks. The first "learned seal" which appeared in this country was one exhibited first at Barnum's old Museum, on the corner of Broadway and Ann street, and afterward in various parts of the country. Ned, as he was called, was quite a philosopher in his way, and submitted gracefully to the change from his secluded haunts on the icy shores of Greenland, to the excitements of a public life.

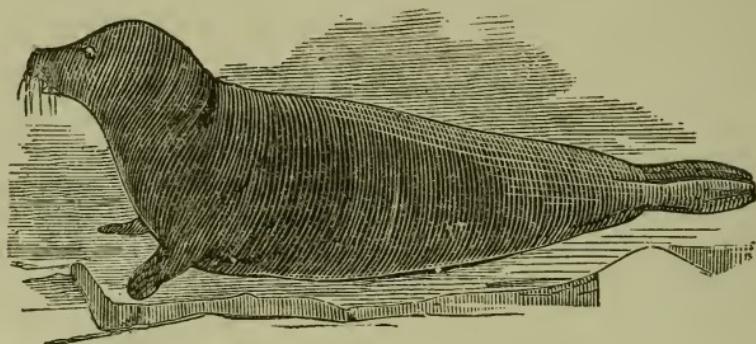
Seals are naturally docile and intelligent, but skill in grinding a hand-organ is scarcely a gift which comes by nature, and even in the case of Ned it was necessary to stimulate his musical taste before he became an adept on that instrument. This stimulus was the same as that to which we owe the curb-stone performances of modern Romans—hunger.

He had before this learned of his own accord to come up out of the water on the appearance of his keeper. He was kept in a large tank, or box, one half of which held the water, while the other half was floored over forming a platform on which he was exhibited. From this platform an inclined plane, formed of planks, led down into the water. Around the edge of the tank and platform a wooden railing extended, and in one corner of this enclosure was kept a tin box containing the fish with which the seal was fed. When the seal was first exhibited his keeper was in the habit of taking a fish from this box at each half-hourly exhibition, and tossing it to the seal who would come partly out of the water and open his mouth to catch it when he saw it in the keeper's hand. This box had a lid to prevent Ned helping himself, and the seal soon learned that the noise of opening the box was followed by his getting a fish; so before long it was only necessary to tap on the lid to make him come up on the platform.

There was one trick which Ned invented himself, and used to perform to his own great satisfaction. He always liked to be able to see his keeper, but visitors often crowded around the tank so much as to obstruct his view. When this happened, Ned had a way of beating vigorously about in the water and splashing the offending spectators so that they were glad to withdraw to a more respectful distance. This afforded considerable fun to the attachés of the museum, who had discovered

Ned's little game, while, we believe, visitors never suspected that their ducking was anything more than mere accident.

The first feat he was taught was to sit up on his hind quarters. This was easily accomplished by holding a fish in the air as an encouragement for the seal to keep an erect position. More difficulty was experienced in teaching him to play the organ. Day after day his paw was placed on the handle, while the trainer industriously turned the crank and held Ned's paw in position at the same time. Ever and anon the man would remove his hand to see if the seal continued the motion, but down would flop Ned's paw and he would gaze vacantly at the instrument without the least apparent consciousness of what was to be done. But by-and-by there was a little hesitation in the paw and it did not drop quite so promptly on the trainer's hand



NED, THE "LEARNED SEAL."

being removed. Then Ned got a little fish. The next time the paw lingered quite perceptibly on the handle, and there was just the faintest movement toward turning the crank. Then Ned got a bigger fish, which he undoubtedly relished exceedingly, for all this time he had been on short allowance. So it went on, the seal grinding a few notes, increasing their number each time and being rewarded with fish, until he had learned to roll out the full supply of tunes the instrument afforded, though his "time" would have puzzled a musician, his efforts being to grind at the greatest possible speed, and we feel safe in asserting that his "Old Hundred" was the fastest thing on record. After every exhibition he was rewarded with fish.

Quite a number of instances are recorded where seals have been tamed without any design of public exhibition. A writer in the London Field gives some curious details of his own experiment. He says:

"When a boy, I was presented by some fishermen with one

apparently not more than a fortnight old, which in a few weeks became perfectly tame and domesticated, would follow me about, eat from my hand, and showed unmistakable signs of recognition and attachment whenever I approached. It was fond of heat, and would lie for hours at the kitchen fire, raising its head to look at every new comer, but never attempting to bite, and would nestle close to the dogs, who soon became quite reconciled to their new friend. Unfortunately the winter after I obtained it was unusually rough and stormy. Upon that wild coast boats could seldom put to sea, and the supply of fish became scanty and precarious. We were obliged to substitute milk in its place, of which the seal consumed large quantities, and as the scarcity of other food still continued, it was determined, in a family council, that it should be consigned to its own element, to shift for itself. Accompanied by a clergyman, who took a great interest in my pet, I rowed out for a couple of miles to sea, and dropped it quietly overboard. Very much to our astonishment, however, we found that it was not so easy to shake it off. Fast as we pulled away it swam still faster after the boat, crying all the time so loudly that it might easily have been heard a mile away, and so pitifully that we were obliged to take it in again and bring it home."

A somewhat similar story is told in Maxwell's Wild Sports of the West, where may be found a very interesting and touching narrative of a tamed seal, which lived for several years with a family, and which, although it was repeatedly taken out to sea in a boat and thrown overboard, always found its way back again to the house which it loved, even contriving to creep through an open window and to gain access to the warm fireside.

In the Jardin des Plantes, in Paris, there was, for some time, a specimen of the marbled seal. Two little dogs, in the same enclosure, amused themselves by mounting on its back, barking, and even biting it—all of which the seal took in good part. Sometimes it would pat them with its paw; but this seemed intended more to encourage than to repress their gambols. In cold weather, they warmed one another by huddling together. If the dogs snatched a fish from the seal's mouth, it bore the loss patiently; but it generally had a fight with another seal, the sharer of its mess, until the weaker one sounded a retreat.

Some few years ago a "talking fish" was profitably exhibited in London and the principal provincial towns, at a shilling a head. The fish was a species of seal, and the "talking" consisted of a free translation of its natural cry into the words ma-ma, or pa-pa, according to the fancy of the showman or spectator.

Gold and silver fish are frequently kept as ornaments in glass globes or aquaria ; those vessels which present the largest surface to the air being preferable. Fish kept in the flask shaped, or narrow mouth globes, so often used by thoughtless persons, can never be kept healthy, and their spasmodic efforts to get breath are a sufficient indication of their sufferings.

These fishes may be easily tamed. Gentleness is the all-essential requisite. They can be taught to eat from their owner's hand by first dropping morsels of food in the water while your finger is placed on the outside as near it as possible. For a little while they will be afraid to approach the food, restrained by the sight of the finger, but by-and-by they will approach and seize it. After they have ceased to fear your fingers on the outside, attach a bit of the food to your finger and cautiously insert it in the water ; if hungry they will presently muster courage to come and take it, and in due time will take their food in that manner as a matter of course. If fed at stated hours they will learn to distinguish the approach of the customary feeding time and will signify the fact by floating up to the surface shaking their fins, and sticking their heads out of the water. In this same manner they recognize their master or mistress and express their pleasure at his or her approach.

A lady writer thus describes some fish kept in her family as pets : "They knew a wonderful deal more did these little fishes. They would come to the top of the water to be fed and take their food from my fingers. When they wanted fresh water they could call for it by making an odd, clicking noise. They would remain perfectly still while being talked to, and wink with evident satisfaction at the compliments lavished upon them. When, after a prolonged absence, their lawful owners returned to them, these little fishes would wriggle about and indulge in wonderful demonstrations of joy and welcome. Oh, the learned seal was nothing in comparison to them."

It is not alone gold and silver fish that admit of being tamed. A correspondent writing from Franklin, Indiana, says of the fishes in a pond on his grounds that they will approach on hearing his whistle, eat from his hands, and allow him to take them from the water. A little girl in one of the New England states rendered some trout, which inhabited a brook near her father's house, so exceedingly tame, that, when feeding them, she was obliged to check the impetuosity of the more voracious ones by a little stick armed at the point with a needle.

Mr. C. L. Vallandigham, of Ohio, is our authority for the following story : "While upon the Island of Bermuda, in travelling from one portion of the island to the other, I passed by a

stone enclosure, perhaps a hundred feet in diameter. The islands are coral in their formation. There was a pool of water full of fish inside the enclosure. I paid an English shilling for admission inside, where I saw perhaps a hundred fish, thoroughly tamed, each one having a name, and each one answering to the name by which he was called. One of them, I recollect,



THE HIPPOCAMPUS.

was called Dick. I spoke to him as I would to a dog, and he came and lifted up his head and allowed me to rub his back, just as you would a cat. Now, as I told you, if any body else had told me that I wouldn't have believed it. But it is nevertheless true. There is just such a pool there, and they are so intelligent that they recognize their names."

Possibly some of our readers remember the queer little fishes Barnum exhibited some years ago, and which he called "sea-horses" on account of the great resemblance of the heads to those of miniature horses. These were labeled as coming from the Gulf of Mexico, though in reality caught in New York Bay. They were what are known to naturalists as the short-nosed hippocampus, and being peculiar we give an illustration which will convey a better idea of their appearance than any mere description. They are commonly about five inches in length, and

are to be found on many parts of our coast. When swimming about they maintain a vertical position, but the tail is ready to grasp whatever it meets in the water, and this is the means by which the creature appears to obtain rest. The tail will quickly entwine in any direction around weeds, or other supports; and when fixed the animal watches the surrounding objects intently and darts at his prey with great dexterity. They raise themselves to higher positions on their supports by the aid of the hinder part of their cheeks, or chins, when the tail entwines itself afresh. We do not think those at the museum performed in public but their keeper to while away leisure time made them very tame and taught them several little tricks, among others to perch in a row on his finger. The four little fellows, each only about four inches in length, presented a most comical appearance. The system of training in this case was very similar to that which we have described as having been practiced in the case of the "learned seal."

We cannot say that we ever had any personal experience with oysters in the capacity of pupils, but in at least one case has a bivalve been made subject to the tamer's art. In an English paper of 1840 we find a curious account of a gentleman at Christ Church, Salisbury, England, who kept a pet oyster of the largest and finest breed then known. It was fed on oat meal, for which it regularly opened its shell, and was occasionally treated to a dip in its native element; but the most extraordinary trait in the history of this amphibious was that it proved itself an excellent mouser, having killed at least five mice, by crushing the heads of such as, tempted by the lucious meal, had the temerity to intrude their noses within its bivalvular clutches. On one occasion two of these little intruders suffered together.



CHAPTER XXI.

THE ART OF TAMING BIRDS.

ALTHOUGH birds are naturally of a timid disposition, very easily alarmed, and from their delicate structure unable to endure any but the most gentle handling, they may be made very tame and become quite attached to their trainer. We propose to tell our readers how to tame their birds, but to make these instructions successful they must be carried out with the greatest gentleness and patience. The utmost pains should be observed not to frighten the bird, as a single fright may render him so shy as to defeat all your efforts to gain his confidence. The following plan is the simplest and most uniformly successful that we have seen tried: The trainer opens the door of the cage and teases the bird gently with a soft feather. This he does till the bird pecks at the feather, then at his finger, and at last comes out of the cage and perches upon his hand. He then smooths his feathers down, caresses it, and offers it some favorite article of food, which it soon learns to take from his hand. He then begins to accustom the bird to a particular call or whistle; carries it upon his hand or shoulder from room to room, in which all the windows are carefully closed, lets it fly and calls it back. As soon as the bird becomes obedient to the call in the presence of other persons and animals, the same experiment is cautiously repeated in the open air, till at last it is rewarded with complete success. This process is well suited for nearly all young cage birds, especially linnets, bullfinches, and canaries, but it is dangerous to take these tame birds into the open air during pairing time, as they are liable to be enticed by the cries of wild birds.

Birds that are caught in winter often take to the cage more kindly than would be expected, but after their capture some days should be allowed them to become accustomed to their new situation, before expecting them to respond to your kindness. Newly caught birds should be put into a quiet place, shaded with a green woolen cover, so that the inmate may not see persons moving about the room, and it should be supplied with abundance of whatever is supposed to be its favorite food. Hemp seed generally fulfills this requirement. It is an immense advantage to have a large cage made like the "trap" or store cages in which canaries are generally sold. The wooden bars are less liable to hurt new comers than those made of wire.

Whatever the cage, the food and the shading are essential points; and the bird will often become familiar with his mistress' voice before the cover is removed, and he able to see her. After the first day or two do not leave the seed tin always in the cage, but take it away after each meal for a little while, taking the opportunity of having a talk with the bird when you give it back, and gradually bring the cage a little nearer to you as it gets more tame. The water, of course, is always in the cage, and this must not be understood to imply a starving system, the only object in taking away the seed is to obtain the chance to talk with him and make friends when you bring it back. A single bird in a cage tames more quickly than when there are two or three.

A New York paper, speaking about the importation of canary birds from Germany, says the following sight was seen in Florence, Italy, in 1861, by a lady and gentleman belonging in New York. In walking in the principal street they overtook a man with a long whip in his hand, which he was moving from one side to the other in what they thought a strange manner. When they came up with him they found he was driving a flock of canary birds, as in England they drive a flock of turkeys. A carriage came along, and the man waved his whip in a peculiar manner, when the little birds all went to the sidewalk until the carriage passed, when they took the street again. A woman wanted to buy one, when the man sprinkled some canary seed at his feet and half a dozen of them came to him, when he took one up in his hand and delivered it to the woman, who paid him one franc. The man then went on again.

Elihu Burritt, the learned blacksmith, gives an account of Mr. Fox, of Tregedna, near Falmouth, England, who, by persevering kindness, has won the affection of a large number of birds—so much so that they fly to meet him when he calls them, and hop about him, eating the crumbs with which his pockets are well filled. When digging in his garden it is no common sight to see little birds hopping on the handle of the spade or rake used by the gentleman, thus showing their confidence in him. Sometimes they enter his bedroom early in the morning, through the window, and in their way call out, "It is time to get up." On Sunday, when Mr. Fox goes to his place of worship, some of the birds are frequently seen to accompany him along the road chirping and singing all the way.

The following is a new and approved method where it is desired to tame birds in a very short time, and is applicable to all kinds of cage birds, proving efficacious in one or two hours: A portion—larger or smaller in proportion to the wildness of the

bird—is cut off from the inner plume of the pen feathers, so that the bird cannot hurt itself if it attempts to leave the hand, and the external appearance of the wing is not impaired. The nostrils of the bird are then touched with bergamot or any other odorous oil, by which it is for the time so stupefied as to perch quietly on the finger or to hop from one finger to another. It may attempt to fly away once or twice, but this is not often repeated, especially if the experiment be conducted in a dark place—for example, behind a curtain, which offers the further advantage that if the bird fall it is not likely to hurt itself. As soon as it sits quietly on any one finger another must be placed in such a position as to cause the bird to step upon it. As soon as it is accustomed to hop quietly from one finger to another the main difficulty is overcome, for if when the bird is gradually aroused from its state of stupefaction it perceives that its teacher does not use it roughly, it may by degrees be taught to manifest perfect obedience to his commands. To teach it to eat from its master's mouth it should be kept in the cage without food for some time. If it be then taken upon the finger and its favorite food be presented to it on the outstretched tongue hunger will soon teach it to feed. A story is told of a favorite magpie that had been accustomed to receive dainty bits from the mouth of its mistress. One day it perched as usual on her shoulder and inserted its beak between her lips, not, as it proved, to receive, for as one good turn deserves another, the grateful bird dropped an immense fat green caterpillar into the lady's mouth.

Birds tamed by the preceding process may be taught to sing while perched upon the hand. To effect this it is only necessary to coax them by chirping to them and using encouraging tones. The chaffinch may be made to sing by whistling “yach! yach!” and stroking it on the neck; and the bullfinch by speaking to it in a friendly manner, accompanied by a backward and forward motion of the hand.



CHAPTER XXII.

SONG BIRDS—THEIR MANAGEMENT AND TUITION.

WHAT is called the song of birds is always expressive either of love or happiness ; thus the nightingale sings only during the pairing season, and the period of incubation, and becomes silent as soon as required to feed its young ; while on the contrary the canary and others sing except when dejected by molting. The males are usually the best singers, in fact the females of several varieties have hardly what could be called a song. Female canaries, bullfinches, robins, and some others may be made to sing to a considerable extent by keeping them in cages by themselves and paying attention to their food and management. All birds should be kept clean, their cages washed out often enough to prevent the accumulation of filth, a supply of sea or river sand furnished, and also fresh water for bathing and drinking. The food of each species varies, but the following will be found adapted to nearly all cage birds :

“UNIVERSAL PASTES.”—*Number One.*—Thoroughly soak in cold water a well baked stale loaf of wheaten bread ; press the water out and pour milk over the bread, sufficient to moisten thoroughly ; then mix with it two-thirds of its own weight of barley or wheat meal, ground fine and sifted.

Number Two.—Grate a carrot and mix it with a moderate sized slice of bread which has been thoroughly soaked in water and the water carefully pressed out. While mixing add two handfuls of the above mentioned barely or wheat meal. The whole is then to be pounded in a mortar.

The above quantities are sufficient for quite a number of birds and must be reduced to suit requirements, as no more than one day’s supply should be prepared at one time. Careful washing of all utensils employed is of course essential to prevent sourness. Canaries should be furnished with a mixture of canary, summer rape, and crushed hemp seed. Goldfinches like poppy seed, with the addition occasionally of a little crushed hemp seed. They also eat thistle seed. Linnets and bullfinches rape seed alone. A little green food, as chick-weed, lettuce, cabbage or water-cress, is desirable about once a week. Quails are fond of bread crumbs and wheat. Larks prefer barley meal mixed with finely cut cabbage, or poppy seed and crumbs of bread, and oats in winter.

Varying the food of song birds has a tendency to make them sing. The very common practice of giving pet birds cake,

sweetmeats, or sugar, is unadvisable; they prefer more simple food, and their health and musical qualities are impaired by this kindly meant but really unkind practice. A bit of cuttle fish bone is the best dainty. Too much hemp seed is injurious to all birds in confinement, often producing blindness, loss of voice, and pulmonary disease.

The songs of cage birds are of two kinds, the natural and the artificial. The natural song is peculiar in each species. The artificial is that which the bird acquires by association with other birds, or which is purposely taught it. A bird is said to "warble" or "quaver" when it always repeats the passages or single notes of its song in precisely the same order. It "sings" when it utters the chirping or twittering interspersed with distinct notes without observing any regular succession. It "whistles" or "pipes" when its song consists of distinct round flute-like notes. Birds to sing well must enjoy good health, be well fed and be placed in a bright, cheerful, situation. The glaring rays of a hot sun can, however, be endured by but few birds. Birds are naturally endowed with a spirit of rivalry, and if placed where they can hear the song of other birds, will often sing better than they otherwise would. Varying their food slightly will often encourage them to sing. A German writer gives the following rules for canaries by which a good singer may be secured: "The first and chief thing is that while young the bird should hear none but a good song, and so not be tempted to intermix the notes of other birds with his own. Care must be taken to attain this object, not only at first, but at the first and second molting seasons, as the bird is then obliged to re-learn his song, and might introduce into it some foreign admixture. It should also be noted whether the bird prefers to sing alone or in company. Many birds are so self-willed as never to sing except they can display their vocal powers alone, while the song of others is always soft and low except when excited to rivalry by hearing the performance of a neighbor. Another very important particular to be attended to not only in the case of canaries but of all cage birds, is to give them their allotted portion of food every day, for if too much be given them at once they pick out the best at first and leave the rest for another day, which impairs their vocal powers."

The canary is a very imitative bird, indeed its song is mainly artificial, being derived from the birds with which it has associated, many of the original stock of the Canary Isles not singing at all. This fact renders its tuition comparatively easy. If several notes are repeated in succession on any instrument, and this is continued perseveringly, the bird will gradually try to

copy them, and will finally succeed if both teacher and pupil possess the requisite talent. Canaries are capable of learning two or more distinct tunes. The tunes must be taught bit by bit and each piece thoroughly mastered before advancing farther. A flute is the best musical instrument to use. If desired that the bird should learn the song of another bird, a good singer of that variety may be placed near its cage. The weavers of Cheshire, England, are noted for possessing canaries of rare musical ability, who are the descendants of birds originally taught by a nightingale; the young birds of each successive generation learning the song of their parents. Loss of voice, which in the male is sometimes the consequence of molting, may be cured by feeding with a little lettuce seed.

Some years ago, for several days a pure canary attracted considerable attention while hanging in the publication office of the New York Tribune, on account of his singing Hail Columbia, and other patriotic airs, without mistake or loss of a single note.

If it is desired to teach a canary to whistle, it should be removed from its companion when about two weeks old, at which time it will be able to feed and also to begin to twitter. The pupil is put in a small cage, which should be at first covered with a linen cloth, and afterward with something thicker. A short air should then be either whistled or played on a flute or bird organ within its hearing, five or six times a day, especially in the morning and evening, and repeated on each occasion half a dozen times. In from two to six months, according to the memory and docility of the bird, it will have acquired its lesson perfectly. Unless this training is commenced when the bird is very young it is likely to mar its performance by intermixing parts it has learned from the parent bird.

Though the natural song of the bullfinch, including both sexes, is harsh and disagreeable, very much like the creaking of a door or wheelbarrow, they may be taught to whistle many airs and songs in a soft, pure, flute-like tone, and are capable of remembering two or three different tunes. They are best instructed by means of a flute or by the whistling of the teacher. Slow learners do not, during the molting season, lose so quickly what they have acquired as those who learn more readily. The bullfinch will also learn the songs of other birds, but usually this is not considered desirable.

In Germany great attention is paid to the training of these birds, which is made a regular profession. We are indebted to Dr. Stanley for the following description of the mode pursued:

"No school can be more diligently attended by its master,

and no scholars more effectually trained to their own calling, than a seminary of bullfinches. As a general rule they are formed into classes of about six in each, and kept in a dark room, where food and music are administered at the same time, so that when the meal is ended if the birds feel inclined to tune up, they are naturally inclined to copy the rounds which are so familiar to them. As soon as they begin to imitate a few notes the light is admitted into the room, which still farther exhilarates their spirits, and inclines them to sing. In some establishments the starving system is adopted and the birds are not allowed food or light until they sing. When they have been under this course of instruction in classes for some time, they are committed singly to the care of boys whose sole business is to go on with their education. Each boy assiduously plays his organ* from morning till night for the instruction of the bird committed to his care, while the class teacher goes his regular rounds, superintending the progress of his feathered pupils, and scolding or rewarding them in a manner which they perfectly understand, and strictly in accordance with the attention or the disregard they have shown to the instructions of the monitor. This round of teaching goes on uninterruptedly for no less a period than nine months, by which time the bird has acquired firmness, and is less likely to forget or spoil the air by leaving out passages, or giving them in the wrong place. At the time of molting the best instructed birds are liable to lose the recollection of their tunes, and therefore require to have them frequently reepated at that time, otherwise all the previous labor will have been thrown away."

The goldfinch is a handsome, lively bird, uttering his sonorous song at all periods except when molting. It consists, in addition to several intricate and twittering notes, of certain tones which resemble those of the harp, and it is valued in proportion to the number of times the syllable "fink" recurs. The goldfinch may also be taught to whistle certain airs and to repeat the song of other birds, though in this respect it is not so docile as the canary.

Ducks are not commonly numbered among song birds, but a French paper, *La France Chorale*, gravely relates that an old trumpeter living in the department of the Meuse, knowing that it was possible to teach speech and music to parrots, starlings, blackbirds, magpies, and others of the feathered tribe, operated lately on a duck in his court. He obtained his pupil when a duckling, adopting it, and set about its education. In a

*A small barrel organ, called a bird organ, made for this purpose.

secluded corner he would sing to it an air a hundred times over, till the intelligent biped had grasped the melody. Soon the interesting creature commenced to quack little tunes, and at the end of six months could correctly repeat a considerable portion of the "Femme a Barbe." The owner of the feathered songster is going to Paris to exhibit his bird.

Mocking birds are valued highly for their power of acquiring the notes of almost every other bird, imitating various sounds and even learning to talk. They should be taken when very young ; birds old enough to be caught in traps either never sing at all, or only in an inferior manner. Their tuition consists merely in giving them the opportunity to hear whatever it is desired to have them learned. They usually begin to sing when two months old, and some bird fanciers think they improve in strength and fullness of tone when kept some years. It is less difficult to keep mocking birds than is generally supposed. A correspondent of Haney's Journal gives the following as the best method of capturing and rearing these birds :

"Take the trouble about the first of May to take a tramp through the woods and along the hedges until you find a nest, and be sure it is the right kind. Do not touch the nest, but visit it every few days, and when the young are hatched and can open their eyes and mouths, take the nest and birds home with you and set them in a cage. You then prepare some corn meal very soft, by scalding, and feed them every half hour by putting it in their mouths ; when hungry they will open their mouths and cry if you approach them, then is the time to feed them ; when they become strong enough to hop about the cage you may then put water and the meal in the cage and they will soon learn to feed themselves. The cage should be cleaned out at least every other morning, and fresh dry clean sand put on the floor. The regular feed of the birds should be corn meal and hard boiled eggs mashed together with a little water ; scalded fresh beef is very fine for them, also a few polk berries occasionally, all kinds of fruits, bread that is not 'short,' meat not salt ; never give them anything sweet. I nearly lost a fine bird by allowing it to get some sour molasses. The best medicine for the mocking bird is two or three spiders. Be sure to put a pan of fresh water in the cage every day, and as he is a great washer and invariably sings better if you give him plenty of water and spiders. The bird should never be let out of the cage, and he then does not know what liberty is. I now have one five years old, who will not come out of the cage if the door be left open all day ; he can not be bought for \$100. He has been reared according to the above method, and, besides this, I

guarantee it to be the easiest and unsurpassed. So soon as they are old enough those which do not sing should be turned out that they may gain their living before the winter comes on. Never keep two in one cage after they commence to sing ; they will fight until one dies. Summary : plenty of water, clean cage, no sweet or salt food, fresh meats, flies, grasshoppers and house spiders as medicine ; polk berries as a cathartic ; don't expect them to sing during molting period."



CHAPTER XXIII.

TALKING BIRDS AND THEIR TRAINING.

MANY of the larger beaked birds may be taught to speak words or even sentences, or will learn them of their own accord from overhearing them. This power is principally possessed by the even tailed parrots, in which the tongue is large, broad, and fleshy at the tip. Their articulation does not possess that accuracy and exactness of modulation characteristic of the human voice, but to a certain extent this is mimicked. Usually there is a harshness and crudeness in their speech, though in this respect they greatly vary.

All birds possessing the *power* of learning to talk are gifted with a great imitative faculty, and therein lies the secret of their tuition. Parrots will often pick up words, or odds and ends of sentences, but usually it is desired that they shall learn some particular phrases, to suit the fancy of their owner. In this case a little drilling is required. The trainer should take the bird alone where there will be nothing to distract his attention ; caress and pet him a little, then repeat the word in a distinct tone, and repeat at intervals of a few moments. Soon the parrot will attempt to repeat the word ; caress him and reward him with a bit of cracker. Repeat this until he has learned the word thoroughly ; when he has done so an alteration may be made in the method of training. On all occasions when he desires anything, make him repeat his lesson before his wishes are gratified. Gradually his lesson may be increased in length, new words or phrases being added. A lady relative of the writer possessed, some years ago, a parrot which was always anxious to be allowed to come from the hall, where he was usually kept, into the sitting room. Before he was permitted to enter he was

always made to repeat a long string of nonsense, something like the following: "Pretty little, darling, sweet, beautiful, adorable Polly wants to come in." This task he was rather inclined to shirk, and would commence with: "Pretty Polly wants to come in," in hopes that would suffice. The door remaining closed, however, he would in a minute or two commence with: "Pretty little Polly wants to come in," and so on, each time going away back to the commencement, and each time adding one of the previously omitted words until the whole were given and the door opened to admit him.

Usually there is no sense in a parrot's expression; he "Polly wants a cracker" on all occasions, however inappropriate. He may be taught to use his language in a manner which is almost startling to one uninitiated into the secret of the matter, so apparently is it the action of reasoning powers. We have shown above how the bird can be taught to repeat any required set of words (within reasonable limits) to accomplish a desired result. The bird knows nothing about any meaning to these words, he only knows that by making certain sounds he receives a reward. Ordinarily a parrot will persistently assert that "Polly wants a cracker" when Polly doesn't want anything of the kind, but does want a drink of water. The owner does not take the parrot's statement as the expression of the actual want expressed, but merely that the bird wants *something*. The parrot consequently uses any phrase he has learned to express any desire. He is capable of associating certain phrases with certain results, without knowing anything of the meaning of the phrase. Thus, if he be taught the phrases: "Polly wants a cracker," and "Polly wants a drink," he will be just as apt to express either one by either phrase as he will to do so correctly; but if he receives cracker *only* when he asks for it, and a drink *only* when he asks for *that*, he will learn to associate the different sounds with the different results. This may be extended beyond this simple illustration as much as individual ability is capable of.

A story is told of a dweller in some eastern country who trained a parrot for sale. The bird's education comprised only one phrase: "There can be no doubt of that!" To market the parrot was taken, and exposed for sale. Attracted by his beautiful plumage a certain rich man inquired the price. "One hundred sequins," replied the owner. "Is he really worth all that?" inquired the customer; whereupon the bird exclaims, "There can be no doubt of that." Charmed by the appropriateness of the reply the man buys the bird and takes him home in triumph, which triumph is changed to a disgust when the

limited powers of his prize are discovered. Enraged at having paid so extravagant a price for so poor a talker the man one day exclaimed in the presence of the bird : "What a fool I was to buy such a stupid thing!" Again the parrot's single sentence comes in quite appropriate as he repeats, "There can be no doubt of that!"

A bird show was held at a museum in New York several years since, to which a parrot was sent that had been taught to repeat the Lord's Prayer. This was advertised extensively, and hundreds of persons went to hear the wonder, but to their disappointment and the vexation of the owner, Poll would not utter a word during the exhibition, although fully able to do what had been expected. After the show, the parrot was taken home, and upon reaching its place it exclaimed—probably an accustomed phrase—"I suppose I can talk now," and became as voluble as ever.

The bird's silence was not remarkable, as song-birds will seldom sing freely for some time after being taken to a new place; the speech on going home certainly seemed to indicate intelligence. A gentleman had taught his parrot to say, "Get your gun, John," which was well remembered one night by the bird, for burglars entered the house, and Poll, hearing a noise, screamed out at the top of her voice, "Get your gun, John," awakening her owner, and at the same time putting the robbers to flight.

An Englishman describing another wonderful parrot hanging in a cage from the window of a house which he often passed, said : "It cries 'Stop thief' so naturally that every time I hear it I always stop."

It is very essential that the trainer should be on good terms with the parrot, in order to secure success, as they will not readily learn for one for whom they entertain any dislike. Under favorable circumstances not only do they copy the words of their trainer but even his peculiarities of voice. Buffon mentions a gray parrot which was taught to speak by a sailor during a voyage from Guinea, and acquired so exactly his harsh voice and cough as to be frequently mistaken for him. It was afterward instructed by a young man, and although it then heard no voice but that of its new teacher, the former lessons were never forgotten, and it often amused the bystanders by suddenly passing from a soft and agreeable voice to its old hoarse sea tone.

Not only do parrots learn to imitate the human voice but also that of animals. This is more difficult to teach owing to the difficulty of securing the sounds for the bird to copy. A bird

of good powers will usually pick up this knowledge if it has an opportunity of frequently hearing the animals. The blue and yellow macaw, though it does not readily learn words (except "Jacob,") seems to have a talent for imitating the bleating of sheep, the mewing of cats, and the barking of dogs, with great exactness.

It not only has the power of learning but often shows a desire to do so. It continually repeats the syllables which it has heard, and in order not to be misled in memory, endeavors to cry down all sounds which disturb it. So deep an impression do its lessons make that sometimes it dreams aloud. When young its memory is so good as to retain whole verses and sentences. Rhodiginus mentions a gray parrot which could repeat the Apostles' Creed without a slip, and was on that account bought by a cardinal for a hundred crowns.

In Scotland a species of parrot is employed to call the names of the stations on the railway. Each bird is taught the name of the station at which it is placed, and this name it shouts on the approach of the train.

Several birds besides parrots possess the power of talking. Magpies are taught in Germany to imitate not only the human voice but many striking sounds. They are taken from the nest when quite young, otherwise this cannot be accomplished. A clergyman in Paris is said to have had two sparrows which were able to repeat the fourth, fifth, sixth, and seventh commandments. It produced a highly comic effect when, in their quarrels over their food, one of them would gravely admonish the other—"Thou shalt not steal."

Ravens often talk with considerable fluency. In Thugaingia the traveler on entering an inn is frequently saluted with the appellations, "thief, rascal," uttered by one of these birds. Some trainers with a view to facilitate the utterance of articulate sounds, are accustomed to cut what is called the string of the tongue, an operation which certainly attains its end in some measure, though ravens often speak on which it has not been performed.



CHAPTER XXIV.

PERFORMING BIRDS—THEIR TRICKS AND THEIR TRAINING.

BIRDS may be taught a number of amusing feats, although some we shall explain require so much time, labor, and skill, as to render them rather more difficult than most amateurs will care to undertake, but there are many which any suitable bird may be taught, with reasonable pains. A person with a faculty for invention can arrange various little mechanical contrivances in the cages of his birds, more or less elaborate according to the skill and fancy of the inventor. A very neat arrangement consists of an inclined plane outside the cage upon which a little wagon may run, or a little tray slide, containing bird seed. To this vessel is attached one end of a string, the other end leading up the plane and being secured inside the cage. This is so arranged that when the string is pulled the vessel is drawn up to an opening in the cage sufficiently large for the bird to secure the seed, but not large enough to permit his escape. To teach the bird to draw this vessel up he must be kept without food until he becomes quite hungry. When hungry he will peck at anything in his cage.

The string should be so arranged that he can seize it without trouble, and the apparatus should work smoothly and require little strength. The seed vessel should be in sight of the bird so that he may be tempted by the seed. At first he will peck at the string as he would at anything else, and will naturally pull it without any idea of the result. When he sees this result almost every bird will persevere until he brings his "commissary department" within his reach, and instinct will teach him to retain it in place and prevent its sliding back by placing his foot on the string while he eats.

Houdin, the French conjuror, when a youth, was employed as errand boy in a lawyer's office. In this office was a large cage of birds, the care of which was one of his duties. This afforded him an opportunity for exercising that talent which he in after years applied so successfully to the manufacture of automata and conjuring apparatus. He thus describes his labors: "I began by setting up in this cage a number of mechanical tricks I had invented at college under similar circumstances. I gradually added fresh ones and ended by making the cage a work of art and curiosity, affording considerable attraction to our visitors. At one spot was a perch near which the sugar and seed-glass displayed their attractions, but no sooner had the

innocent canary placed its foot on the fatal perch than a circular cage encompassed it, and it was kept a prisoner until another bird, perching on an adjoining piece of wood set loose a spring which delivered the captive. At another place were baths and pumps; further on was a small trough, so arranged that the nearer the bird seemed to draw to it the further off it really was. Lastly, each denizen of the cage was obliged to earn its food by drawing forward with its beak small pasteboard carts."

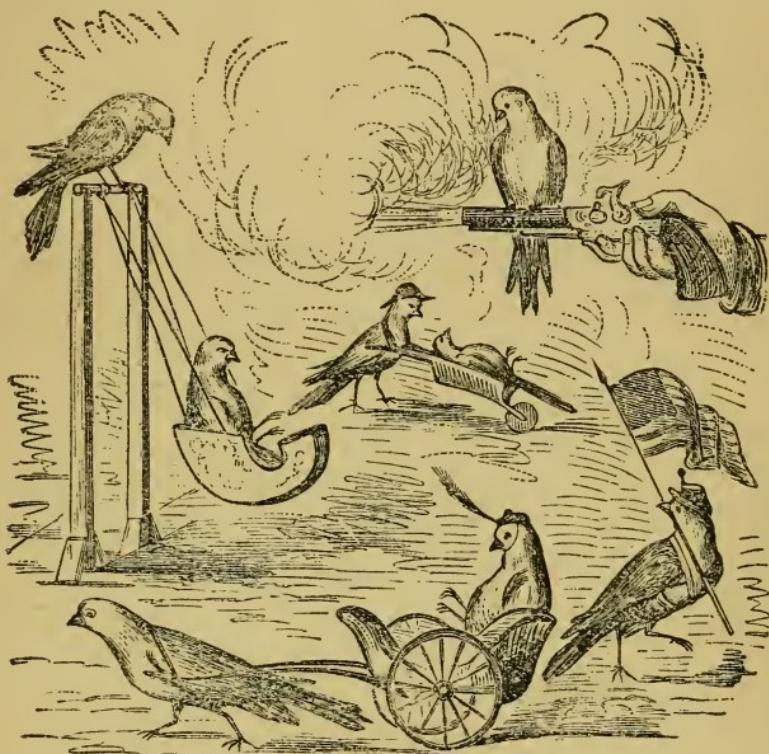
We have known the following arrangement to be used for bullfinches, which might be applied to other birds: The apparatus for drawing up its food and water consisted of a band of soft leather one-sixth of an inch in breadth, in which were pierced four holes, through which the feet and wings of the bird were put, and the ends united to a ring on the belly. To this ring was attached a small chain fastened at the other end to the seed and water vessel. When the bird is hungry it pulls the chain up a little way with his beak, puts his foot on it to retain the length already gained, then pulls again, and so continues. Sometimes the two vessels are attached to a pulley in such a manner that when one descends the other rises, so that the bird has to pull up each as he wants it.

Canaries may be taught to come and go at command. To accomplish this the cage should be provided with doors which open only *inward*, and which close of themselves. When the male and female have been paired the former is let fly in some garden where there are trees; the cage is then hung outside the window, that his mate may lure him back. This is repeated five or six days, always letting the male go again without touching him, so he may not be terrified. After a time the female too may be set at liberty, the door of the cage being left permanently open that they may go and return at will.

The European sparrow, which is becoming acclimated here, and will no doubt soon become as common here as there, is often taught to leave home and return at call. All that is necessary is to keep it a month in a large cage at the window, plentifully supplied with good food, such as millet, bread, etc. Winter is the best time for this purpose. An inmate of the Hôtel des Invalides, at Paris, is said to have made a sparrow so tame as to leave it perfectly at liberty without any fear of losing it. It was ornamented with a small bell fastened by a ribbon around its neck. It would not allow itself to be touched by any one but its owner, and was so fond of him that it could not be induced to leave him when at last he became bed-ridden. On one occasion it was caught and deprived of its bell. It was,

however, melancholy and refused to eat until another bell had been provided.

It is said that crushed hemp seed fed to linnets takes away their love of liberty, and that it may be used advantageously when it is desired to teach them to come in through the open window without danger of their flying away. It is advised that they should be confined in a large cage placed in a window looking into a garden, for a considerable time before they are



TAMED BIRDS PERFORMING VARIOUS FEATS.

allowed to go out. Robins are often permitted to go away during the summer, and instances are often reported of their returning to take up winter quarters in the warm dwelling-house.

Several individuals have made a regular profession of exhibiting performing birds. Uniting a peculiar skill and an exhaustless patience, these men labor ceaselessly in instructing their charges, and the result is that the birds learn to perform many surprising tricks. They are even taught to perform little dramatic scenes together; representing, for instance, the trial, condemnation and execution of a spy, in which the characters

are all maintained by birds, and the action of the scene very cleverly represented. There is however a little trickery in this, the birds, although apparently acting without human agency, are in reality constantly under the direction of their trainer, who is usually concealed from the audience. Each bird is carefully instructed in his particular duties, and performs his part at certain signals or particular commands. While performing, the trainer carefully "works" the performers, keeps them up to their duties, and thus makes everything pass off smoothly in its regular order.

The method of training is merely an elaboration of what we have already given. The birds are first made perfectly tame, and then gradually encouraged to perform such little tricks as jumping over the trainer's finger, seizing articles presented to them with their beak or claw, and other trifles. By-and-by the bird will wheel a little pasteboard wheelbarrow with the aid of a string attached to the handles, which he takes in his beak. Another bird is taught to take things in his claw by first having articles of food presented to him which he is only allowed to have when he takes them in that manner. Then some other article is offered him and when he takes *that* in like manner he is rewarded. When he will take an article at the command of the trainer all that is required for his performance is that the article desired should be offered him; thus the bird will take a miniature basket, gun, or any other article with equal readiness. A small lighted candle may even be used if managed carefully.

When a bird has learned to pull a string, or seize with his beak what is presented to his notice, this accomplishment may be applied to many tricks, apparently very different. He may be made to fire off a pistol by pulling a string attached to the trigger; to draw a little bucket from a diminutive well; to ring bells; and an almost unlimited number of like actions. Walking on a tight rope, or wire, and carrying a little flag is readily accomplished after the foregoing training. The bird is either lifted or guided upon the rope, and the flag then given him. Many tricks consist in the bird merely retaining a position given him, as in a little swing, cradle or at a little table. A very tame bird may be placed in an upright ring, around the margin of which are candles or jets of fire. There was a sparrow at one exhibition which performed the seemingly wonderful feat of selecting from a shuffled pack, a card previously chosen by any of the audience. A dirty pack of cards was handed to one of the company, who selected a card, and gave it back to the exhibitor, who shuffled the pack after replacing the card; he then put the pack upright in a kind of card-case,

which so held them as to leave about half an inch above the brim. The Java sparrow hopped on one of the cards, and finally drew the identical one that had been drawn. The explanation became easy on examining the cards. At one end, each card had a thin layer of sweet-wafer paste; the selected card was taken by the exhibitor and placed in the pack; all the rest of the cards had the paste end downward, while the card alone was placed back in the pack with the opposite end upward. And the bird naturally looked at the end.

The greatest humbug in Vienna is a school of trained goldfinches, which a woman has taught to draw numbers from a bowl, without, however, *selecting* any particular one, but merely taking them hap-hazard. All the superstitious lottery ticket buyers go thither for an augury, and the owner of the finches is reaping a rich harvest.

In a work entitled Pratt's Gleanings, for many years out of print, and now almost out of existence, we find the following description of an exhibition given by a bird tamer at a fair in the town of Cleves :

"The canary was produced, and the owner harrangued him in the following manner, placing him upon his forefinger: 'Bijou, jewel, you are now in the presence of persons of great sagacity and honor; take heed you do not disappoint the expectations they have conceived of you from the world's report. You have got laurels; beware, then, of erring.'

"All this time the bird seemed to listen, and indeed placed himself in the true attitude of attention, by sloping his head to the ear of the man, and then distinctly nodding twice when his master left off speaking.

"'That's good,' said the master, pulling off his hat to the bird. 'Now, then, let us see if you are a canary of honor. Give us a tune.' The canary sang.

"'Pshaw! that's too harsh; 'tis the note of a raven, with a hoarseness upon him: something pathetic.' The canary whistled as if his little throat was changed to a lute.

"'Faster,' says the man—'slower—very well—what a plague is this foot about, and this little head? No wonder you are out, Mr. Bijou, when you forget your time. That's a jewel—bravo! bravo! my little man!'

"All that he was ordered or reminded of did he do to admiration. His head and foot beat time—humored the variations of both tone and movement.

"'Bravo! bravo!' re-echoed from all parts of the room. The musicians declared the canary was a greater master of music than any of their band.

"‘And do you not show your sense of this civility, sir?’ cried the bird catcher with an angry air. The canary bowed most respectfully, to the delight of the company.

“His next achievement was that of going through the martial exercise with a straw gun, after which, ‘My poor Bijou,’ says the owner, ‘thou hast had hard work and must be a little weary; a few performances more and thou shalt repose. Show the ladies how to make a curtsey.’ The bird here crossed his taper legs and sank and rose with an ease and grace that would have put half the belles to the blush.

“‘That will do, my bird; and now a bow, head and foot corresponding.’ Here the striplings for ten miles around London might have blushed also.

“‘Let us finish with a hornpipe, my brave little fellow; that’s it, keep it up, keep it up.’

“The activity, glee, spirit, and accuracy with which this last order was obeyed, wound up the applause to the highest pitch of admiration. Bijou himself seemed to feel the sacred thirst of fame, and shook his little plumes and caroled an “Io paean” that sounded like the conscious notes of victory.”

A curious trick is performed by a particular kind of pigeon, quite common in India. These birds are called “tumbling pigeons” from their peculiarity which consists of tumbling on the ground, instead of in the air. When required to tumble they are taken in the hand, and the head slightly rubbed or “filliped” with the finger, and then they are put on the ground, when they continue to tumble until taken up. They are not left on the ground until their tumblings are completed, being invariably taken up after they have tumbled about a dozen times; probably they would injure or exhaust themselves, if left longer. The pigeons are always white, and though their wings are long and pointed, they seem to have small powers of flight.



CHAPTER XXV.

SNAKE CHARMING AND SNAKE CHARMER.

ON the subject of snake charming, a wide diversity of opinion seems to exist. While it is vouched for by many apparently creditable and honest citizens, that the exhibitions of the East Indian snake charmers show that they really do possess some mysterious power over the reptiles to which they owe their safety in freely handling the most venomous serpents, on the other hand, persons apparently qualified to express an opinion, declare the whole system of snake charming to be but some clever impositions. There is said to exist a species of snake of large size, and so closely resembling the deadly cobra, as to be easily mistaken for it by ordinary observers, but which is perfectly harmless. May not this be used in some of these performances? Again, snakes of really poisonous species appear, on good authority, in many instances, to have been tampered with by the charmers by having their fangs removed, or by being made to strike them into cloth or other substances until the present supply of poison was exhausted. Where this has been done, and new fangs have grown, or more poison secreted, numerous charmers have lost their lives by their ignorance or carelessness of the fact. An officer in a French regiment stationed in Africa, relates that what were represented by an Arab juggler to be scorpions, were actually nothing but harmless lizards, and that the man's feat of thrusting his naked hand into the bag containing them was no feat at all. Upon the officer offering to do the same act, the juggler slunk away.

Music is often referred to as a probable secret of snake charming. This may be, in a small measure, the case, as snakes appear to like music. A story is told by the Gipps Land (Australia) Guardian, which may be entirely true, or, probably, founded on truth :

"We have all heard of the charms of music," says the paper, "and many have, no doubt, been treated to stories which described its influence when brought to bear upon snakes; but we are informed of an occurrence during the past season which surpasses all that we heard before. When Mr. S—— was one day coming from Traralgon towards Rosedale, he was indulging himself in whistling a melodious air, while his horse was taking it easy at a walk. At no great distance in front he espied a good sized snake, with its head elevated about twelve inches from the ground, as if listening to the tune of the equestrian.

Upon seeing it Mr. S — was about to dismount to arm himself with a weapon to dispatch it, but presently he bethought himself that it might be under the influence of his sweet notes, and accordingly resolved to discover. He, keeping in his saddle, continued as before, and when he neared the admiring reptile it set its sinuous form in motion, and moved along rapidly



SNAKE CHARMER PERFORMING.

till it got a considerable way ahead of the pipes. Then it halted, and again raised the region of its intellect to sip in the strains of the harmony in its rear. After a repetition of this scene for several times Mr. S — determined on pushing his experiment further, and for this purpose set out in a slow trot, when, to his astonishment, the snake went double quick, still keeping ahead of the music, and regulating its pace by Mr. S —'s pace, 'pulled up' whenever he pulled up. At length Mr. S — ceased his melody, and the snake, finding that the

strain was ended, wound its way off into the forest. We may as well add that the tune which is reported to have thus charmed was no other than 'Patrick's Day,' whistled by a son of the sod."

The fact that many spectators of the exhibitions of the snake charmer failed to detect any deception does not prove that there *was* no deception. While the detection of imposition by others, in similar performances, would seem to argue the *probable* existence of it in the other cases. Even poisonous snakes can, by kindness and ample food, undoubtedly be rendered sufficiently tame to permit handling, and where charmers pretend to operate on strange serpents, it is suspected that the reptiles used are really tame ones, surreptitiously introduced beforehand into the places whence the charmer proposes to bring them forth by his charms. One case is recorded where a strange snake happened to be in the place so chosen ; he destroyed the tame snake, and, on emerging, being mistaken by the charmer for his own snake, struck his fangs into the man when he attempted his usual jugglery with it, causing his speedy death.

That dexterity and coolness enable men who, in eastern countries, make a profession of capturing dangerous snakes, which often intrude into dwellings, to capture these reptiles seems unquestionable ; but the *familiarities* described by travelers, we believe to be attempted only with snakes which the performer has tamed and trained, or else rendered harmless, for the purpose. We will, however, give the opponents of this theory a chance to be heard, and so present a splendid account, which is given by an English officer in India, of the capture, by one of their professional snake catchers, of a cobra which had found its way into the room of a sick fellow-officer, and was discovered by the narrator on paying his friend a visit. After the alarm had been given, the usual confusion outside the door, and the various expedients proposed for expelling the unwelcome "squatter," the narrative goes on to describe the arrival and doings of the snake catcher :

"He came, a tall, muscular native, a slip of cloth around the waist, his hair long and matted, except on the centre of his head, which was shaved close in a circle, and a turban covering it, bearing over his shoulders two baskets and a musical instrument made out of a gourd, with a single bamboo pipe coming from its upper end, and two smaller ones from its lower, like a flute, whilst the breath is blown through the upper and single one. Before he was allowed to enter the room he was searched, and his baskets and instruments taken from him. Nothing could have been concealed, for his clothing was reduced to its minimum, and he carried a short iron rod.

"He was shown a hole in which we supposed the snake to be, for the reptile had disappeared. He lay down on the floor, and placing his face close to the hole, exclaimed, 'Burra sap; sabit babut burra.' (Big snake, your honor, very big.) Without any more preparation, he commenced digging around the hole, and removed some of the brickwork. In a few minutes he showed the tail of the reptile, and with sundry incantations in Hindostanee and curious contortions of his body, seized hold of the tail, and gradually drew forth the snake. It proved to be a fine specimen of the cobra—a black, shining, wriggling, hissing, deadly cobra, about five feet long, at the thickest part eight inches round, with a hood measuring, when extended, five inches across. The reptile he handled freely, whilst it was hissing and darting its tongue out every second. Taking it in the yard or 'compound,' he released it. The brute wriggled itself toward him, and when within a foot or so reared itself up, spread out the enormous hood, and prepared itself to strike at its captor. But the charmer was not to be wounded. He seized his primitive instrument, and commenced very slowly to produce low and soft tones, very harmonious, but unconnected. The snake seemed astonished; his hood gradually collapsed, his head and about a foot of his body that was raised from the ground commenced to sway from side to side in perfect harmony with the music, and slower and quicker as the time was decreased or increased. As the man played louder, the snake got more excited, until the rapid and unusual movements had quite exhausted it, and it subsided.

"Again the charmer seized it, and quick as lightning ran his hand up its body, holding it firmly by the throat. By pressing on its back the cobra's mouth opened, and he disclosed the fangs, poison bags, and apparatus complete, thus proving beyond a doubt that it was not a trained or tame reptile he had been treating like a plaything. Doubts still arose in my mind, however, about the genuineness of the performance, for I could not bring myself to believe that a man would willingly place himself in such close proximity to certain death.

"A fowl was obtained and placed about a foot from the reptile, which was again set free. With the same movements it raised itself a foot from the ground, spread out its hood, and with a loud hiss, apparently of satisfaction, darted upon and seized the fowl by the back of the neck. Hanging there for a few seconds it let go its hold, and the man at the same instant seized it, as he had formerly done, by the head. The fowl almost instantaneously became drowsy, its head falling forward, and the beak striking with considerable force into the ground.

The convulsive movement lasted ten seconds, and then the bird lay down as if completely comatose and powerless. In fifteen seconds it gave a sudden start and fell back quite dead.

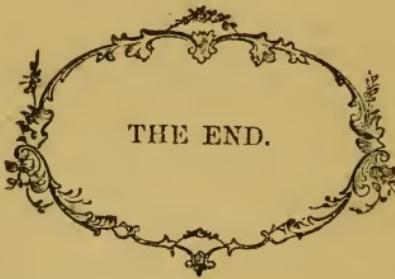
"As no deception could have been practised in this instance, I was most anxious to see the reptile killed; but the charmer said he would not have it destroyed; that if it were injured the power he had over snakes would be interfered with, and the next one would no doubt bite and kill him. He accounted for his easy capture by saying this was a great holiday for the snakes, and that they had been enjoying themselves. 'This one,' said he, 'is not living in this house. He has come from his home visiting, and has lost his way. On this account he got down a wrong hole, and I was enabled to pull him out. Nasty neighbors, and abominable visitors, these cobras! I will take this snake home, and feed him and make him tame.'

"However, we insisted upon having the animal made harmless, or comparatively so, and directed the man to remove the fangs. This he agreed to do, and performed it in this manner—a piece of wood was cut an inch square, and held by the charmer to the head of the snake. The reptile seized it as he had done the fowl, and with a dexterous twist of the hand, the most primitive performance of dentistry was accomplished. The four fangs sticking into the wood were extracted by the roots and given to me. I have them now, and look upon them as more suicidally pleasant than a pint of prussic acid or a cask of white arsenic.

"Another fowl was brought and attacked by the snake as before, but without any effect; it shook itself, rustled its feathers, and walked away consequentially. It is alive still, unless some enterprising culinary agent has converted it into curry or devil. So it was proved beyond any doubt that an Indian snake charmer was not a humbug and a swindler, as many suppose, but a strong-minded, quick-eyed, active, courageous man. The cool determination and heroism of the charmer in the present instance was rewarded by the sum of two rupees (two shillings, sterling), and he left the compound with an extra snake in his basket, thankful to the preservers of his children, as he styled us, and to whom, he said, he owed his life and existence."

The snakes used in performances at circus or "side shows" in this country are not poisonous, though their bite causes a painful wound, which it is very difficult to heal. The snakes are fed to satiety, and the only thing necessary to constitute a "snake charmer" of this kind is the overcoming of the natural repugnance to these reptiles. What was exhibited as a wonderful example of affection between a child and a snake some

years ago, was a hideous humbug. The story told by the exhibitors of the little girl meeting the snake, sharing her bread and milk with it, and becoming violently attached to it (which attachment was claimed to be returned), before the child's parents knew of it at all, and how these strong friends refused to be parted, was a tissue of lies. The snake had been caught and tamed, and the little girl then compelled by her unnatural parents to fondle the repulsive thing, from which she instinctively shrank, and these stories were started in the papers about this wonderful "love." When curiosity had been aroused, public exhibitions were given, but we believe the enterprises proved a deserved failure, as few persons could endure to witness this outrage on nature, though many, doubtless, believed the story told.



THE END.

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